

INTRODUCTION TO RESISTOR COMPONENTS

GENERAL

Resistors are one of the largest commodities of purchased components, both in volume and in released part numbers, in IBM. Over 3500 released part numbers exist in approximately five different resistor families. Obviously, it would be an unreasonable task for the circuit designer to become an authority on the particular characteristics of each of the resistor families. For definitive advice, contact the assigned component engineer.

Discrete resistors are typically used in circuit applications such as line terminators, voltage dividers, and current limiting functions. Resistors are also often combined with other components to satisfy filtering and pulse shaping applications.

Recently there has been a trend to integrate the general purpose resistor applications (support elements in logic and memory circuits) into monolithic circuit chips. Therefore, the future for the resistor commodity will obviously be in special applications which cannot be technically or economically incorporated in IC's. Such special applications will typically require high power, precision, or resistance values outside the typical ohmic range.

It is preferable to allow the component engineer to specify as many of the resistor parameters as possible. By supplying the responsible component engineer with the following information he can determine the optimum resistor family, TCR, and purchase tolerance which meet the performance and cost objectives:

1. Nominal ohmic value
2. Worst case average resistor power
3. Worst case duty cycle
4. Worst case ambient machine conditions (air flow and temperature)
5. Worst case absolute EOL tolerance

Resistor product families presently available are:

1. General Purpose
 2. Film
- General Purpose
- Precision
- Power

PASSIVE COMPONENTS MANUAL

3. Wirewound

Power

General Purpose

Aluminum Housed General

Purpose

Precision

4. Temperature Sensitive

5. Potentionmeters

Carbon

Film

Cermet

Wirewound

It should be realized that each resistor family offers its own unique performance or economical advantages which must be considered in making tradeoffs for a specific circuit application.

Before the particular resistor families can be meaningfully discussed, it is appropriate to define some of the more frequently referred to parameters and terms:

Resistance - Resistance may be defined as the ratio of the potential difference between the ends of a conductor to the constant current flowing in the conductor, providing the physical conditions of the conductor are uniform.

The resistance R of a conductor is proportional to its length L and inversely proportional to its cross-sectional area A . Thus resistance may further be defined as:

$$R = \rho \frac{L}{A}$$

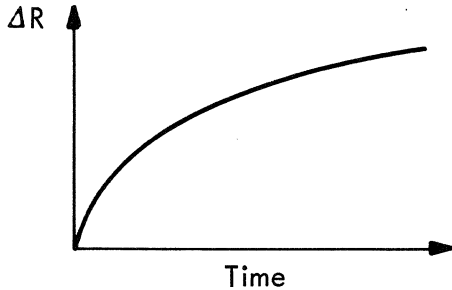
where ρ is a physical property of the material known as resistivity.

Nominal Resistance Value - The specified ohmic value of the resistor.

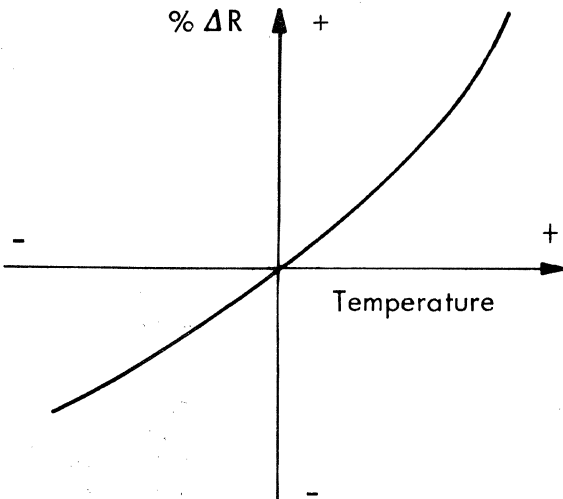
Purchase Tolerance - The maximum or minimum deviation from nominal value that is acceptable to IBM.

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Resistance Drift - The permanent change in resistance value due to aging or resistance degradation, in its application, during its useful life. A typical resistance drift curve follows:

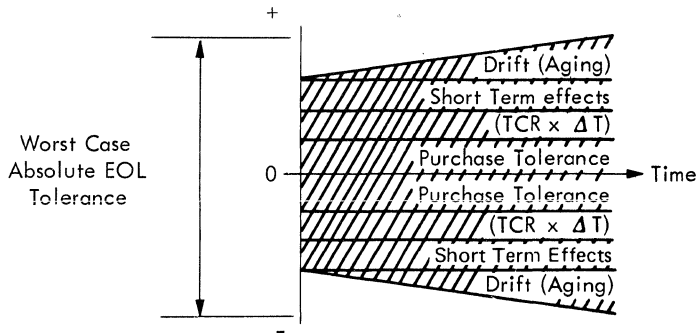


Temperature Coefficient Resistance (TCR) - The transient change in resistance due to a change in temperature. TCR is expressed in percent change in resistance per degree centigrade ($\% \Delta R / ^\circ C$) or in parts per million per degree centigrade ($\text{ppm}/^\circ C$ or $10^{-4}\%/^\circ C$). A curve showing typical resistance change with temperature follows:



Short Term Effects - Permanent change of resistance caused by the soldering operation of the card line, temperature variations in shipment and storage, physical handling before and during card assembly and terminal stress during the lead insertion and clinching operation at the card line.

Worst Case Absolute End of Life Tolerance - The cumulative worst case expected changes in resistance from its nominal value during its useful life. The worst case absolute EOL is the sum of the purchase tolerance, resistance drift, (TCR × ΔT) and short term effects. Following is a chart which illustrates W.C. absolute EOL.



Statistical EOL Tolerance - The estimated total change in resistance from nominal value, assuming a normal Gaussian distribution around zero, of each of the elements of change.

(i.e., statistical EOL tolerance

$$= \sqrt{(P.T.)^2 + (TCR \times \Delta T)^2}$$

$$\sqrt{(S.T.)^2 + (Drift)^2}$$

Voltage Coefficient - The transient change in resistance due to a change in applied voltage. (Note: Voltage coefficient is independent of temperature effects.)

Rated Power - The maximum power (watts) that can be continuously dissipated at a referenced ambient condition (airflow and temperature) without experiencing a temperature rise which causes the component to exceed its specified hot spot temperature limit.

Typically, resistors must be derated in order not to exceed hot spot temperatures.

Worst Case Average AC Power on Maximum DC Power - The W.C. average ac/maximum dc power level may be calculated by multiplying the maximum duty cycle by the worst case peak power.

PASSIVE COMPONENTS MANUAL

Hot Spot Temperature - Maximum temperature measured on the resistor due to both internal heating and the ambient operating temperature.

As previously mentioned each resistor family has unique parameters and/or cost considerations which allow circuit designers tradeoffs in their specific application. In general the tighter the specified parameters of the resistor the more expensive the cost per resistor element. Following is a summary of the typical characteristics of each resistor family:

General Purpose - Least expensive of discrettes; lacks precision; performance

Film - Moderately inexpensive; high stability performance; small in size

Wirewound - Moderately expensive; excellent precision performance; highest power capability

Figures 2-1 through 2-4 present a quantitative graphical comparison of each of the major resistor families with respect to typical resistance ranges, power ratings, EOL performance, and cost.

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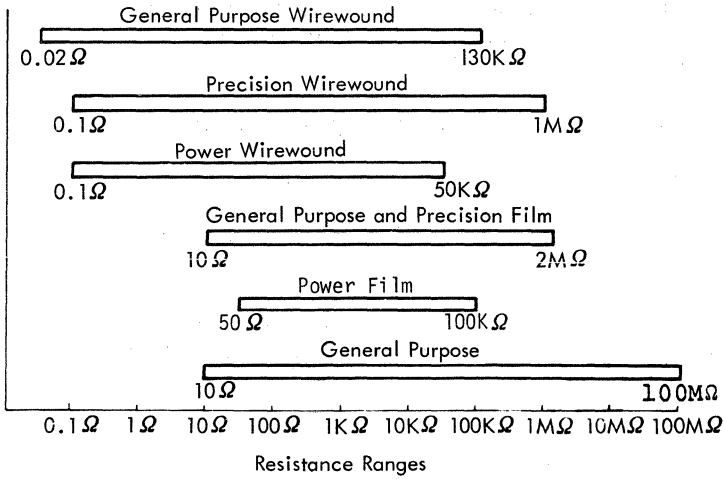


Figure 2-1. Resistance Ranges by Resistor Family

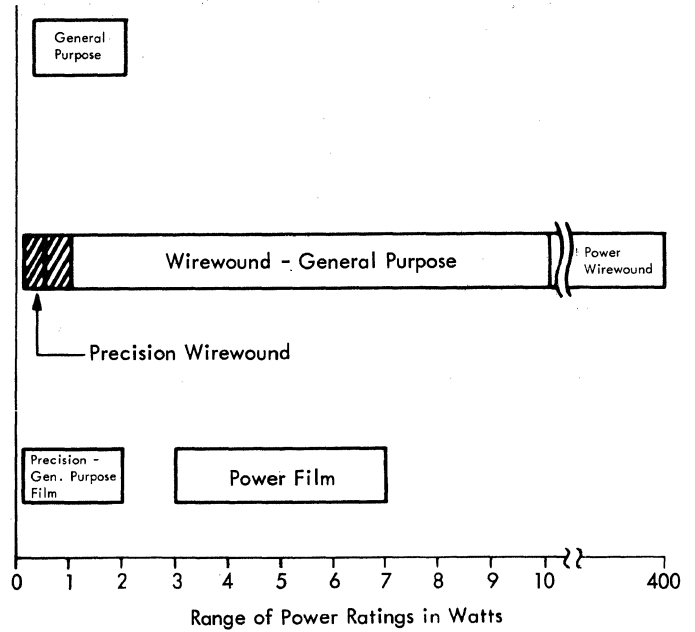


Figure 2-2. Power Ratings by Resistor Family

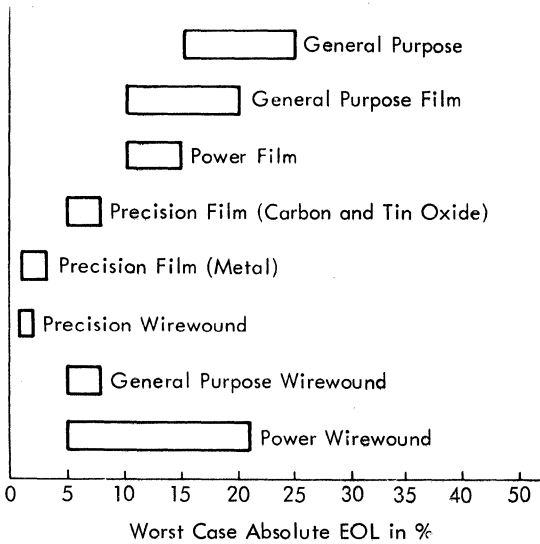


Figure 2-3. Worst Case Absolute EOL Tolerance by Resistor Family

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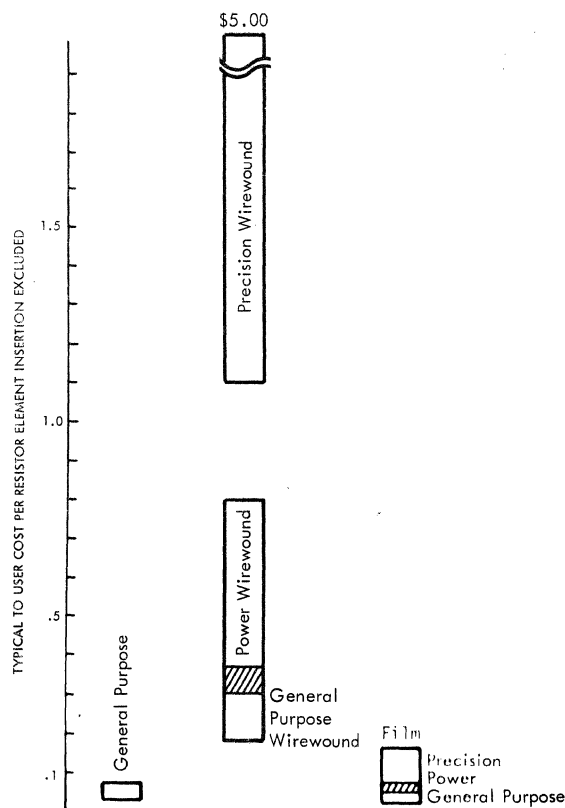


Figure 2-4. Typical To User Cost by Resistor Family

Discrete resistors can be divided into three basic categories; general purpose, precision, and power. Each category has more than one resistor technology which is used to meet the family's specification. As a result, a given part number's performance and size may vary with the technology used. The performance and size will of course meet the specifications identified with the part number. If an application needs a particular requirement, then this requirement should be identified to the component engineer, so that the correct technology can be specified and the right tradeoff made between cost, performance, and size.

Actual resistor performance varies with power rating and operating temperature. It is often necessary to derate discrete resistors in order not to exceed the resistor's maximum operating temperature and the maximum body temperature allowed when mounted on glass epoxy cards. (See Figure 2-5.)

Discrete resistors are taped and reeled, and are either color coded (typically general purpose) or part number marked (typically precision type).

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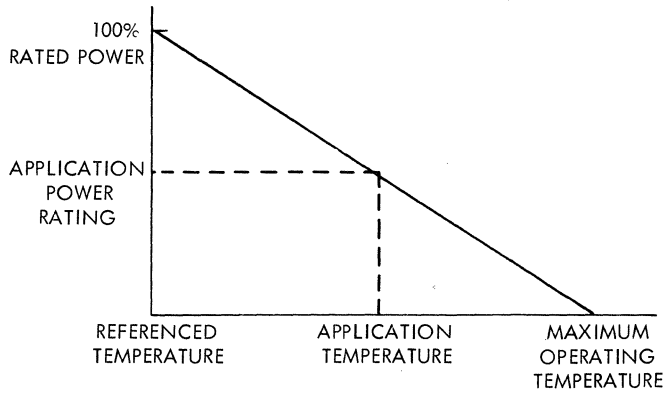


Figure 2-5. Application Power Rating

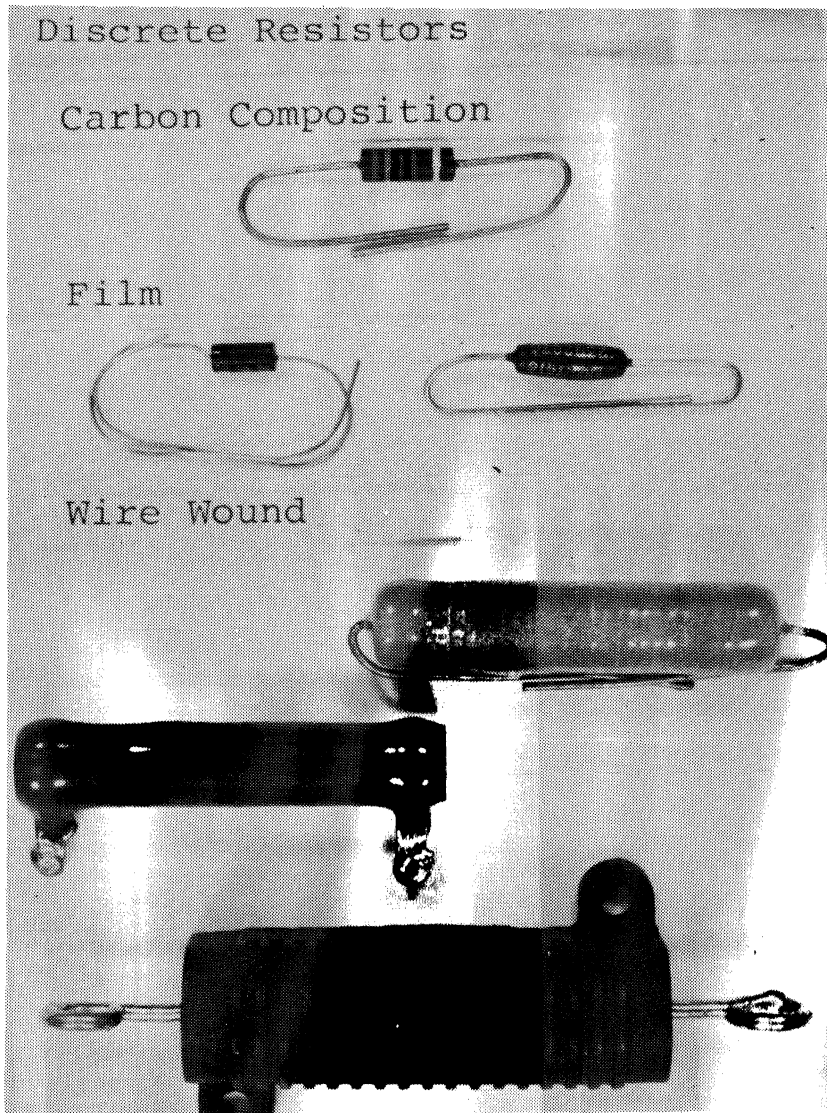


Figure 2-6. Typical Resistor Products Discussed in this Handbook

GENERAL PURPOSE RESISTORS

DESCRIPTION

General purpose (formerly called carbon composition) resistors are card mounted, discrete, axial leaded, fixed resistors which are used extensively throughout all IBM systems. (See Figure 2-6.) The name "general purpose" was adopted in place of "carbon composition" because of the increased percentage of these resistors which are made with a film technology (carbon film, tin oxide, metal glaze, etc). The specifications and tolerances for this type of resistor remain the same as those that were established for carbon composition resistors. The traditional carbon composition resistor is manufactured by molding material into an integral unit. Headed leads are anchored directly into the carbon element. The film type resistors employ a carbon, tin oxide, or metal glaze film on a glass or ceramic substrate.

General purpose resistors are available in standard EIA values from 2.7 Ω to 100 M Ω and in power ratings of 1/8, 1/4, 1/2, 1, and 2 watts. The standard purchase tolerance is $\pm 5\%$.

The physical dimensions of general purpose resistors vary with power handling capabilities. Physical dimensions of general purpose resistors are detailed in Table 2-1.

The TCR (temperature coefficient) for general purpose resistors varies with both temperature range and ohmic value. Resistance may vary as much as +9% over a temperature range of -15°C to $+105^{\circ}\text{C}$ from the nominal value at 25°C . (See Table 2-2.)

PERFORMANCE CHARACTERISTICS

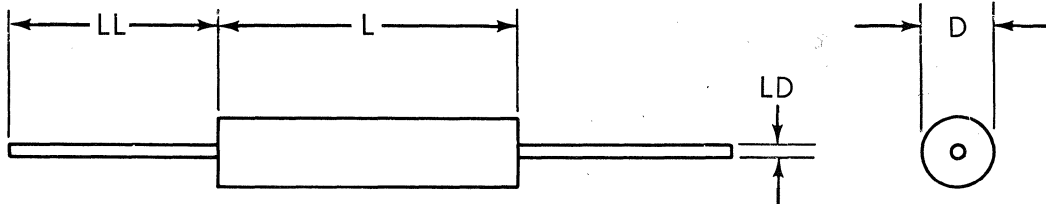
General purpose resistors, if used at full rated power in 70°C still air ambient, would operate at over 100°C . To avoid exceeding maximum allowable card temperature (approximately 100°C) and to ensure adequate performance, these resistors should not be used above 50% rated power. In addition, to avoid significant resistance change, caused by humidity penetration, the resistors should not be used at less than 10% rated power.

Figure 2-7 illustrates the approximate surface temperature rise versus percent rated power in still air. Figure 2-8 illustrates how general purpose resistors must be derated to avoid exceeding the 100°C maximum card temperature.

Figure 2-9 illustrates a temperature rise correction for moving air ambients. Therefore, the temperature rise of a resistor at a given air velocity and power level may be determined by multiplying the still air temperature rise found in Figure 2-7 by the percent of still air temperature rise found in Figure 2-9.

PASSIVE COMPONENTS MANUAL

Table 2-1. Physical Dimensions of General Purpose Resistors



Power Rating	L	Dimensions (Inches)		LL
		D	LD	
2 W	0.150 ± 0.030	0.066 + 0.008 - 0.050	0.015 ± 0.003	1.000 ± 0.125
1/8 W	0.250 ± 0.015	0.090 ± 0.008	0.025 ± 0.002	* 1.500 ± 0.125
1/4 W	0.375 ± 0.031	0.140 ± 0.008	0.032 ± 0.003	* 1.500 ± 0.125
1/2 W	0.562 ± 0.031	0.225 ± 0.008	0.040 ± 0.003	* 1.500 ± 0.125
**1 W	0.688 ± 0.031	0.312 + 0.008 - 0.050	0.045 ± 0.003	* 1.500 ± 0.125

*Usable lead length will be 25.4 mm (1.000 inch) when taped and reeled as per specification 2412436.

**In the metal glaze technology the 1-watt resistor is supplied in a 1/2-watt size. It is distinguished from 1/2-watt rated parts by a white fifth band 50% larger than the other color bands. When purchased in other technologies it is supplied in the standard one watt size.

Table 2-2. Temperature Coefficient of General Purpose Resistors

Nominal Resistance (Ohms)	Maximum Allowable % Change of Resistance		
	25 to -15°C	25 to ±65°C	25 to ±105°C
10 and under	±3.5	±3.5	±5.0
over 10 through 100	±3.5	±3.5	±5.0
over 100 through 1k	±3.5	±3.5	±5.0
over 1k through 10k	±5.0	±3.5	±6.0
over 10k through 100k	±6.5	±4.0	±6.0
over 100k through 1 M	±7.5	±5.0	±9.0
over 1 M through 10 M	±6.0	±6.0	±9.0
over 10 M through 22 M	±9.0	±6.0	±9.0

PASSIVE COMPONENTS MANUAL

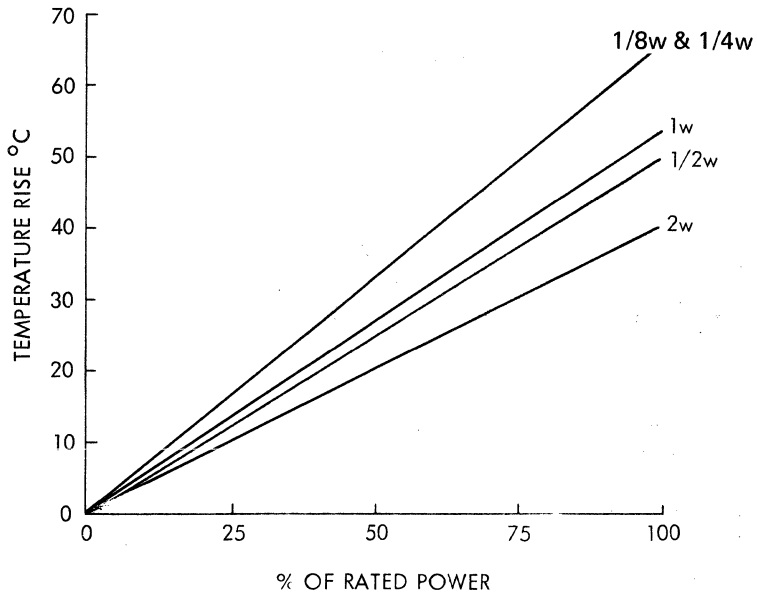


Figure 2-7. Temperature Rise versus Percent Rated Power for General Purpose Resistors

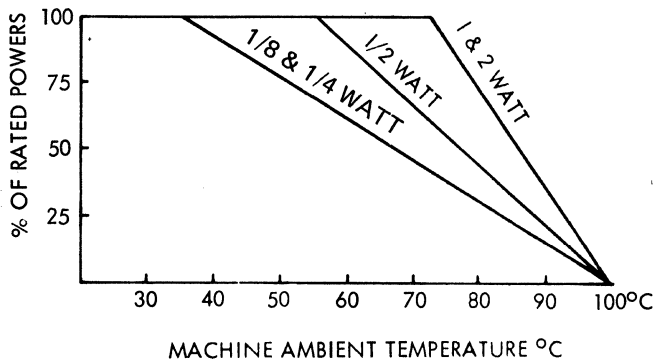


Figure 2-8. Derating Curves for General Purpose Resistors

PASSIVE COMPONENTS MANUAL

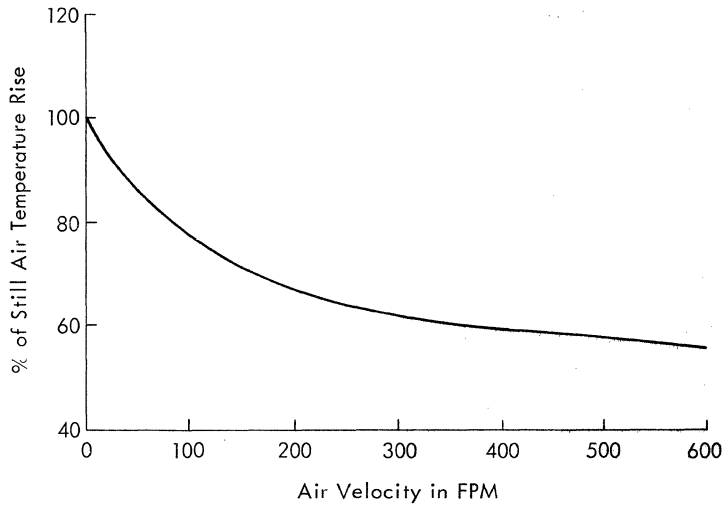


Figure 2-9. Temperature Rise Correction

The worst case EOL resistance drift for general purpose resistors is poor compared to other resistor families. When operating general purpose resistors between 10% and 50% of their rated power, the worst case EOL resistance drift will be less than 10%. Figure 2-10 presents the worst case EOL resistance drift of general purpose resistors as a function of actual power.

Following is an example of the typical range of absolute worst case EOL tolerances which can be expected from general purpose resistors.

Purchase Tolerance:	±5%	±5%
Short Term Effects:	±5%	±5%
TCR:	±3.5	to ±9%
W.C. EOL Drift:	±2	to ±10%
Absolute WC EOL Tolerance:	±15.5	to ±2.9%

The frequency response of general purpose resistors varies considerably from supplier to supplier. As illustrated by the typical data in Figure 2-11 the higher resistance value, the greater the decrease in resistance with increasing frequency.

The typical current noise of general purpose resistors is 1 μ V/volt. The maximum voltage coefficient of resistance is 0.035%/volt.

PASSIVE COMPONENTS MANUAL

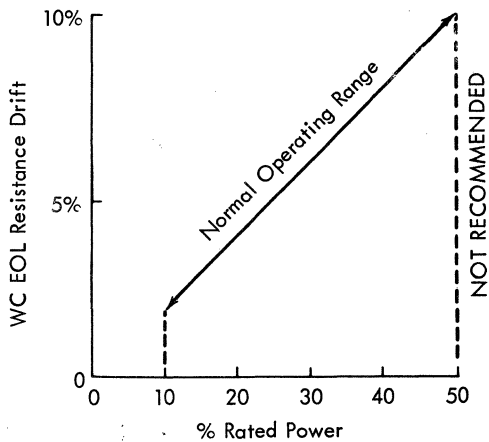


Figure 2-10. Worst Case EOL Drift versus Power

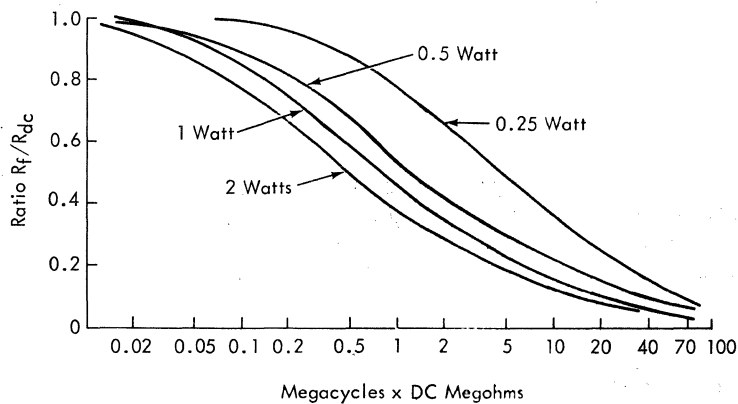


Figure 2-11. Typical Frequency Characteristics of General Purpose Resistors (Resistance versus Frequency)

RELIABILITY

The failure rate supported for general purpose resistors is 0.0001%/1k hours over a useful life of 100k hours, and the SPQL is 0.05.

ECONOMICS AND DESIGN CONSIDERATIONS

The general purpose resistor is the least expensive type of the discrete resistors available to the circuit designer and currently fills a large portion of the resistor requirements within the corporation. The cost per component is a function of the total yearly buy and the power rating of the resistors. The typical range of a "to user" cost is \$0.02 to \$0.07 depending on the power rating. However, one must also consider the card space and assembly cost in each application. Applications requiring more than two or three resistors in a network will tend to be less economical than a modular approach.

PASSIVE COMPONENTS MANUAL

SPECIFICATIONS

The following specifications are applicable to the general purpose resistor family.

Engineering Specification:	895032
Quality Specification:	873703
DCS Codes:	1/8 watt 23595
	1/4 watt 23591
	1/2 watt 23592
	1 watt 23593
	2 watt 23594

FILM RESISTORS

DESCRIPTION

Film resistors (precision, general purpose and power) are card mounted, discrete, axial-leaded, fixed resistors which are replacing the general purpose resistor family in many applications. A film resistor is manufactured from a thick or thin film resistor technology by depositing a carbon, metal oxide, metal glaze, or metal film on a cylindrical glass or ceramic substrate.

The resistor is adjusted to the desired ohmic value by cutting or grinding a spiral groove (helixing) around the surface of the substrate. Caps (with leads attached) are placed over the ends of the substrate which is then either transfer molded or dip coated.

There are four different types of materials used for the resistive element. Carbon film is used for both precision and general purpose resistors. It exhibits a fairly stable TCR of $\pm 0.05\%/^{\circ}\text{C}$ (± 500 ppm/ $^{\circ}\text{C}$) and a maximum VCR of 0.002%/volt. The current noise ranges between 0.1 and 0.3 $\mu\text{V}/\text{volt}$. Metal oxide resistors exhibit many of the same properties as carbon film resistors and are used for precision, general purpose, and power resistor applications. The TCR ($\pm 0.02\%/^{\circ}\text{C}$) is tighter than carbon film while the maximum VCR is 0.001%/volt and the current noise is typically less than 0.1 $\mu\text{V}/\text{volt}$. Metal glaze resistors are comparable to the metal oxide types and are used for the same applications (TCR $\pm 0.02\%$ to $\pm 0.05\%$, relatively negligible VCR and low current noise). Metal film resistors are the most stable of the four film types and have TCR's typically less than $\pm 0.01\%/^{\circ}\text{C}$ (± 100 ppm/ $^{\circ}\text{C}$). The VCR is negligible (0.00005%/ $^{\circ}\text{C}$) and the current noise is typically less than 0.01 $\mu\text{V}/\text{volt}$. Metal film resistors are primarily used for precision resistor applications.

The film resistor elements are relatively non-reactive and the inductance properties of the device are directly dependent on the termination method and lead lengths. Film resistors in all cases have superior frequency characteristics to wirewound resistors.

The maximum voltage ratings for film resistors are given in Table 2-3 by body size (power handling capability) and resistor technology.

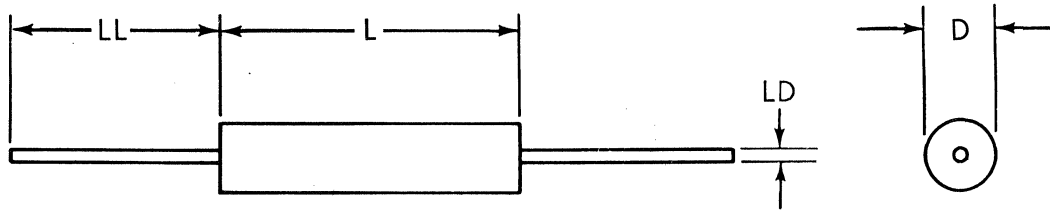
PASSIVE COMPONENTS MANUAL

Table 2-3. Voltage Ratings for Film Resistors

Precision Film	General Purpose Film	Power Film
1/20 W-200 Vdc	1/4 W-300 Vdc	3 W-250 Vdc
1/10 W-200 Vdc	1/2 W-350 Vdc	4 W-450 Vdc
1/8 W-250 Vdc	1 W-500 Vdc	5 W-550 Vdc
1/4 W-300 Vdc	2 W-500 Vdc	7 W-600 Vdc
1/2 W-350 Vdc		
1 W-500 Vdc		
2 W-750 Vdc		

The physical dimensions of film resistors vary with power handling capabilities and in some cases with the particular resistor technology. The dimensions of general purpose film resistors are the same as those of general purpose resistors for comparable power ratings and are not listed here. (See Table 2-1.) The physical dimensions for precision film and power film resistors are given in Table 2-4.

Table 2-4. Physical Dimensions of Film Resistors



Dimensions (Inches)

Resistor Type	Power Rating	L	D	LD	LL
Precision	1/10 W	0.250 +0.015 -0.045	0.115 +0.010 -0.025	0.025 ± 0.002	1.500 ± 0.125
	1/8 W	0.250 +0.015	0.110 -0.150	0.025 ± 0.003	1.500 ± 0.125
	1/4 W	0.250 +0.015	0.110 -0.150	0.025 ± 0.003	1.500 ± 0.125
	1/2 W	0.405 +0.015 -0.070	0.110 -0.150	0.025 ± 0.003	1.500 ± 0.125

PASSIVE COMPONENTS MANUAL

Table 2-4. Physical Dimensions of Film Resistors (Continued)

Dimensions (Inches)

Resistor Type	Power Rating	L	D	LD	LL
Power	1 W	0.562 ± 0.031	0.190 ± 0.008	0.032 ± 0.002	1.500 ± 0.125
	2 W	1.000 max	0.370 max	0.034 max	1.750 max
	3 W	1.000 max	0.370 max	0.034 max	1.750 max
	7 W	2.124 max	0.350 max	0.035 max	1.500 max

General Purpose Film

General purpose film resistors utilize metal oxide, metal glaze, and carbon films in their construction and are available in ohmic values from 10 Ω to 3.3 M Ω . The purchase tolerances are generally $\pm 5\%$, but tighter tolerances are available for special applications.

The maximum hot spot temperature of general purpose film resistors in a 70°C still air ambient with 100% rated will be 150°C. To avoid exceeding maximum allowable card temperature (approximately 100°C), and to ensure adequate performance, these resistors should not be used above 50% rated power or must be used with an appropriate amount of airflow. Actual operating temperatures for specific power levels and ambient conditions may be determined from Figure 2-12 and Figure 2-9.

The worst case EOL drift will not exceed +5% for general purpose film resistors. The typical range of absolute worst case EOL tolerances is:

Purchase Tolerance: $\pm 2\%$ to $\pm 5\%$
 Short Term Effects: $\pm 0.5\%$
 TCR: $\pm 1.5\%$ to $\pm 2.5\%$
 W.C. EOL Drift: $\pm 3.0\%$ to $\pm 5.0\%$
 Absolute W.C. EOL Tolerance: $\pm 7.0\%$ to $\pm 13.0\%$

The $\pm 5\%$ GP film resistor can be obtained at approximately the same cost as the $\pm 5\%$ general purpose resistor but is much more stable and exhibits a more predictable temperature coefficient.

Precision Film

Precision film resistors are manufactured from carbon film, metal oxide, metal glaze, and metal film technologies and are available in ohmic values of 10Ω to $2 M\Omega$.

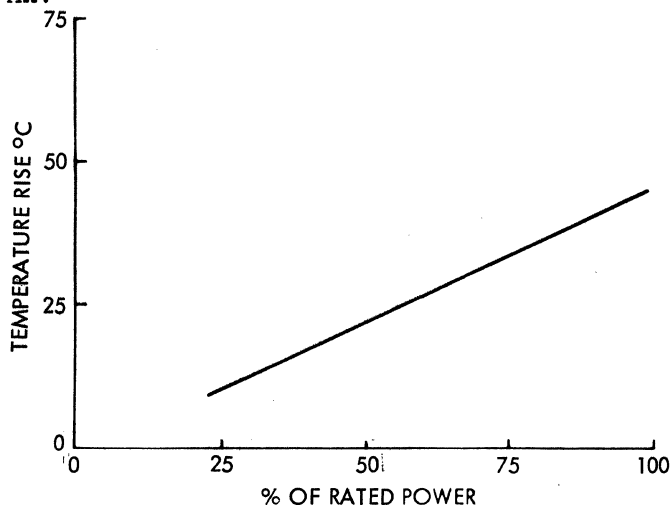


Figure 2-12. Temperature Rise versus Percent Rated Power for General Purpose Film Resistors

The maximum hot spot temperature at rated power in a 70°C still air ambient should not exceed 115°C for carbon film, metal glaze, and metal oxide film resistors and 100°C for metal film resistors. Variations in hot spot temperatures from resistors of comparable body sizes are due to the density of the packaging materials and their thermal properties. The actual operating temperature for a specific power level and ambient condition (temperature and air flow) may be determined from Figure 2-9 and 2-13. The derating required at different ambient conditions is shown in Figure 2-14.

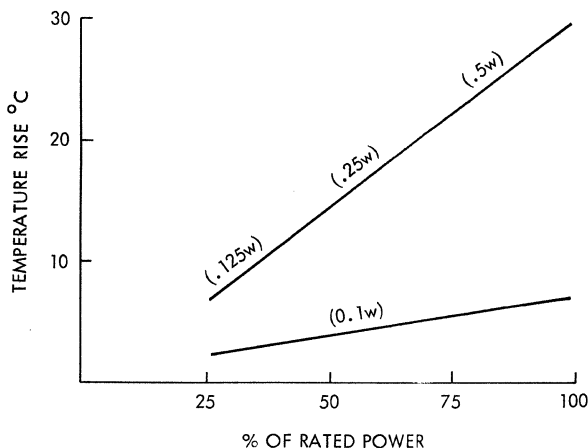


Figure 2-13. Temperature Rise versus Percent Power for Precision Film Resistors

PASSIVE COMPONENTS MANUAL

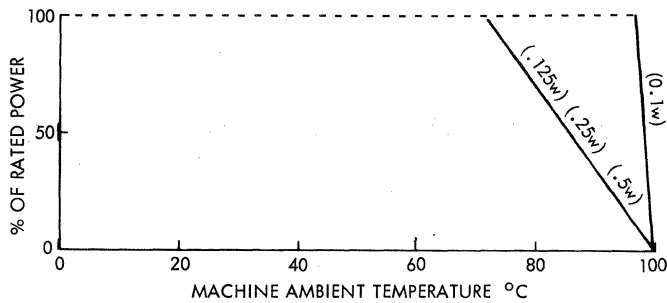


Figure 2-14. Derating Curve for Precision Film Resistors

The worst case EOL drift for precision film resistors is dependent on the film material used. The worst case EOL drift for metal film resistors is less than $\pm 1\%$, while for metal oxide, metal glaze, and carbon film resistors the worst case EOL drift will typically be $\pm 2\%$.

Following is the typical range of absolute worst case EOL tolerances for precision film resistors.

Purchase Tolerance:	$\pm 1\%$
Short Term Effects:	$\pm 0.55\%$
TCR:	$\pm 0.01\%$ to max
*W.C. EOL Drift:	$\pm 1.0\%$ to $\pm 2.0\%$
Absolute W.C. EOL Tolerance:	$\pm 2.56\%$ to $\pm 3.56\%$

Power Film

All power film resistors currently used within IBM are manufactured from the metal oxide film and metal glaze film technologies. Ohmic values between 50Ω and $50 \text{ k}\Omega$ are available in power ratings of 3 to 10 watts. The purchase tolerances are typically $\pm 5\%$.

The maximum operating temperature for power film resistors in a 70°C still air ambient at rated power is 275°C . When using power film resistors as a card mounted device, the power rating should be reduced to less than 25% of its rated condition, mounted on studs or used with a substantial amount of air in order to avoid exceeding maximum allowable card temperature.

Operating temperatures at specific ambient conditions and power levels may be determined from Figures 2-9, 2-15 and 2-16.

*The W.C. EOL Drift tolerance of $\pm 2.56\%$ is for one particular family of metal film resistors shown only on drawing 842000.

PASSIVE COMPONENTS MANUAL

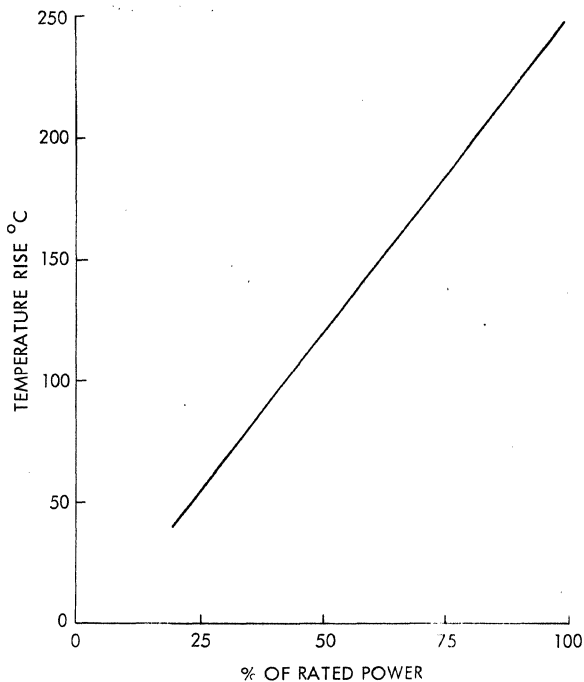


Figure 2-15. Temperature Rise versus Percent Rated Power for Power Film Resistors

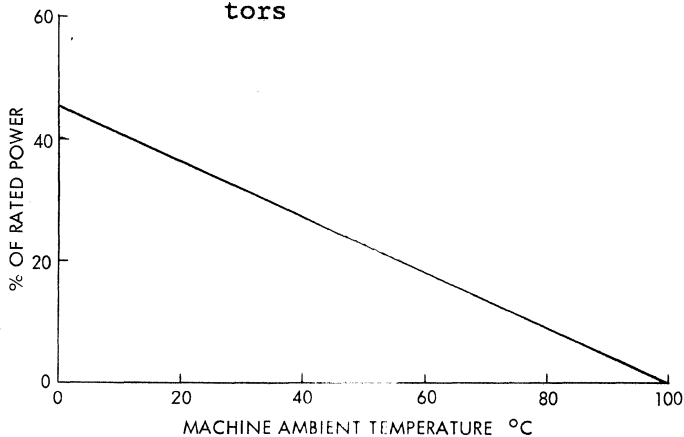


Figure 2-16. Derating Curve for Power Film Resistors

The worst case EOL drift for power film resistors is $\pm 5\%$. The typical range of absolute worst case EOL tolerances is summarized as follows:

Purchase Tolerance:	$\pm 5\%$
Short Term Effects:	$\pm 1.7\%$ to $\pm 5.0\%$
TCR:	$\pm 0.5\%$
W.C. EOL Drift:	$\pm 5.0\%$
Absolute W.C. EOL Tolerance:	$\pm 12.2\%$ to $\pm 15.5\%$

The TCR and EOL drift for the power film resistors are not as good as that for the power wirewound resistor, but are acceptable in many applications.

PASSIVE COMPONENTS MANUAL

The maximum voltage coefficient for power film resistors is 0.001%/volt, while the current noise is less than 0.18 $\mu\text{V}/\text{volt}$.

RELIABILITY

The following failure rates for film resistors are given in %/1k hours over a useful life of 100k hours.

Power Rating (Watts)	Failure Rate/ kHrs	SPQL
1/10	0.0010%	0.05%
1/8	0.0005%	0.05%
1/4	0.0005%	0.05%
1/2	0.0005%	0.05%
1	0.0005%	0.05%
2 and over	0.0050%	0.05%

ECONOMICS AND DESIGN CONSIDERATIONS

Some of the principal advantages of film resistors which should be considered by the circuit designer are:

1. Excellent stability
2. Good TCR
3. Superior frequency response
4. Negligible voltage coefficients
5. Lower cost than precision wirewound resistors
6. Requires less card space than precision wirewounds
7. Lends itself to automatic insertion

The cost of film resistors is generally independent of individual part number volume due to the policy of buying in annual family volumes by corporate contract. However, the cost is dependent on the type of film, power rating, and the TCR characteristics. Following are typical "to user" costs for film resistors.

General purpose film - 3 to 7 cents each, depending on power rating.

Precision film - 5 to 20 cents, depending on TC characteristics.

PASSIVE COMPONENTS MANUAL

Power film - typically 5 to 30 cents depending on power ratings.

SPECIFICATIONS

The following specifications are applicable to the film resistor family.

Engineering specification: 895049

Quality specification: 873703

DCS codes are as follows:

1/10 W	2-3534
1/8 W	2-3531
1/4 W	2-3532
1/2 W	2-3533
Special	2-3539

WIREWOUND RESISTORS

DESCRIPTION

General

Wirewound resistors are used in IBM systems for general purpose, power, and precision resistor applications. They are manufactured by winding a resistive wire around a bobbin, core, or substrate. End caps with axial leads or lugs are attached and the complete assembly is either dip coated or molded, depending upon the type and thermal requirements of the unit. The core and coating materials determine the thermal properties while the resistance value is affected by the type of wire used, the diameter of the wire, and the length of wire. The temperature coefficient of the resistor is influenced by the material composition and geometry of the wire.

Wirewound resistors are constructed basically in the same manner as an inductor and therefore have inductive properties. Several manufacturing techniques are available to limit this inductance. One technique is called the Bifilar method and consists of winding a double strand of wire around the core, bobbin, or substrate. This technique provides current flow, in two parallel conductors (wires), in opposite directions and keeps the effective inductance to a minimum. Another commonly employed technique (Ayrton-Perry method) consists of winding a single strand in one direction followed by a second strand back in the opposite direction. Once again, the field cancellation causes a low apparent inductance.

Following is a brief discussion of the types of wirewound resistors used at IBM.

Power Wirewound

Power wirewound resistors are available in several body styles including axial lead, lug lead, lug terminal, ferrule, and screw base configurations. In many cases these resistors are mounted by means of clips, a socket, and other mounting hardware. The resistance range is from 0.1 Ω to typically 50k Ω . Power wirewound resistors are available in purchase tolerances from $\pm 1\%$ to $\pm 10\%$ and power ratings above 100 watts. The TCR is typically less than $\pm 0.02\%/^{\circ}\text{C}$ (± 200 ppm/ $^{\circ}\text{C}$). Power wirewound resistor are classified as a type I Wirewound resistor. The various classifications are discussed in detail later.

General Purpose Wirewound

The general purpose wirewound resistors make up the majority of the wirewound family. They are axial leaded devices except for certain heat sink (aluminum housed) types. GP wirewound resistors are available in resistance ranges from

0.02 Ω to 130k Ω and in power ratings from 0.01 watt to 10 watts. Purchase tolerances are available from $\pm 0.25\%$ to $\pm 10\%$, and the TCR is typically less than $\pm 0.003\%/^{\circ}\text{C}$ (± 30 ppm/ $^{\circ}\text{C}$). General purpose wirewound resistors are classified as type II wirewound resistors.

Aluminum Housed

Aluminum housed resistors are general purpose wirewound type II resistors which are encased in a chassis mounted aluminum housing that acts as a heat sink. The heat sink effect of the aluminum housing increases the power dissipation capabilities of these resistors from about 14 watts, maximum, up to 250 watts. These resistors are available in standard E.I.A. values from 0.01 Ω to 273k Ω with standard power ratings of 5, 10, 25, 50, 100, and 250 watts. The standard purchase tolerance is $\pm 1\%$; however, tolerances ranging from ± 0.05 to $\pm 3\%$ are available.

Precision Wirewound

Precision wirewound resistors are typically used for applications requiring extremely tight purchase tolerance, TCR, and EOL drift, in a miniature axial lead device. However, there is some usage of the radial lug type precision wirewound resistor. Both types are constructed by winding many turns of a fine resistance wire on a bobbin style form. Leads are attached and the assembly is either dip coated or transfer molded.

The resistance typically covers from less than 1 Ω through several megohms. Power ratings are typically less than 0.5 watt, but are available in a range from 0.05 watt to 1 watt. Purchase tolerances are always $\pm 1\%$ or less with high precision units available as low as $\pm 0.005\%$. The temperature coefficient of resistance is extremely low, usually on the order of $\pm 0.0005\%/^{\circ}\text{C}$ (± 5 ppm/ $^{\circ}\text{C}$). Almost any TCR is possible however, by proper selection of the wire employed in the winding. Precision wirewound resistors are classified as type III wirewound resistors.

Some of the more common terms used to refer to types of wirewound resistors are:

1. A standard wirewound resistor is one which has been wound in a conventional manner, and the inductance has not been controlled by special winding techniques.
2. A non-inductive wirewound resistor is one which has had the inductance minimized by special winding techniques such as the Bilfilar and Aytron-Perry methods.
3. A type I wirewound resistor is one which employs a vitreous enamel encapsulant, has a maximum hot spot temperature of 350°C , and has a temperature coefficient of less than $\pm 0.026\%/^{\circ}\text{C}$ (260 ppm/ $^{\circ}\text{C}$). The purchase tolerance range for a type I wirewound resistor is $\pm 1.0\%$ to $\pm 10.0\%$.

PASSIVE COMPONENTS MANUAL

4. A type II wirewound resistor is one which generally employs a silicone based encapsulant, has a maximum hot spot temperature of 275°C, and has a temperature coefficient not exceeding $\pm 0.003\%/^{\circ}\text{C}$ (± 30 ppm/ $^{\circ}\text{C}$). The purchase tolerance range for a type II Wirewound resistor is $\pm 0.25\%$ to $\pm 10.0\%$.
5. A type III wirewound resistor is one which has a purchase tolerance range of $\pm 0.005\%$ to $\pm 1\%$, and a TCR less than $\pm 0.0015\%/^{\circ}\text{C}$ (± 15 ppm/ $^{\circ}\text{C}$). The maximum power rating is 1 watt or less and the maximum hot spot temperature is 145°C.

The physical dimensions of each type of wirewound resistor vary with power rating. Tables 2-5, 2-6, and 2-7 present the pertinent physical outline dimensions of the different types of wirewound resistors.

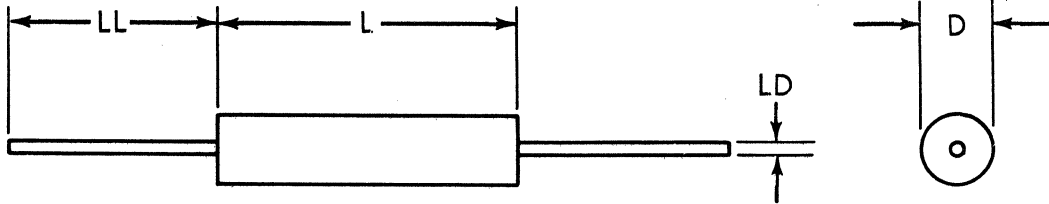
PERFORMANCE CHARACTERISTICS

Power Wirewound (Type I)

The maximum operating temperature (hot spot) for power wirewound resistors is 350°C in a 25°C still air ambient at 100% rated power.

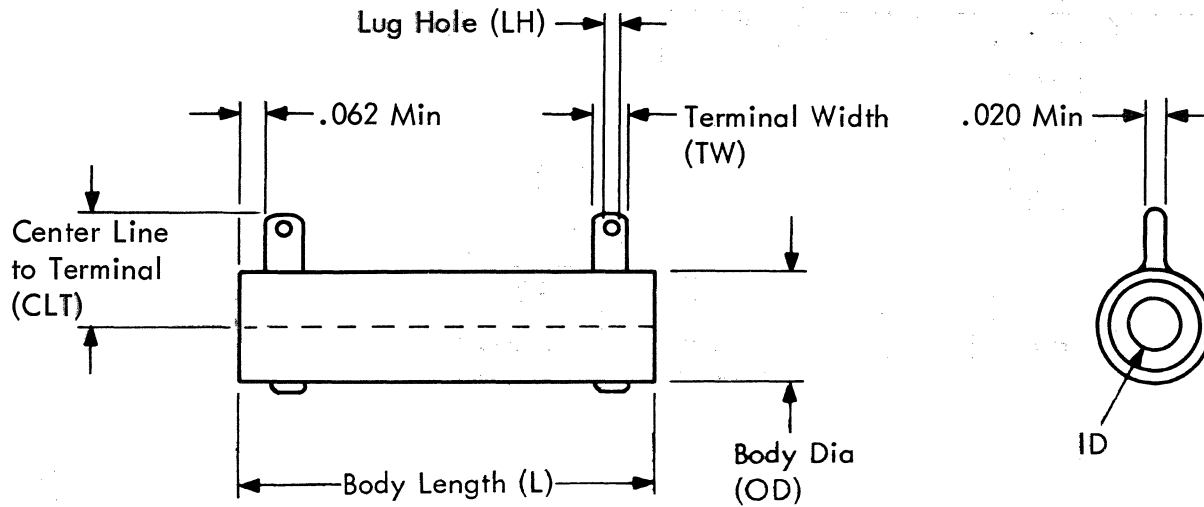
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Table 2-5. Physical Dimensions of Axial Lead Wirewound Resistors



DIMENSIONS (INCHES)				
Power Rating (Watts)	L	D Power Type I	LD	LL
2	0.375 ± 0.062	0.187 ± 0.031	1.500 ± 0.125	0.032 ± 0.002
3	0.500 ± 0.062	0.200 ± 0.050	1.500 ± 0.125	0.032 ± 0.002
5	1.000 ± 0.093	0.313 ± 0.062	1.500 ± 0.125	0.032 ± 0.002
10	1.750 ± 0.062	0.375 ± 0.094	1.500 ± 0.125	0.032 ± 0.002
General Purpose Type II				
0.5	0.281 to 0.343	0.080 to 0.108	$1.750 +0.250$ -0.380	0.015 to 0.034
1.0	0.343 to 0.436	0.061 to 0.125	1.500 ± 0.125	0.015 to 0.034
2.0	0.440 to 0.625	0.093 to 0.218	1.500 ± 0.125	0.028 to 0.034
3.0	0.440 to 0.812	0.152 to 0.282	1.500 ± 0.125	0.028 to 0.042
5.0	0.813 to 10.00	0.281 to 0.343	1.500 ± 0.125	0.028 to 0.042
7.0	1.157 to 1.375	0.280 to 0.344	1.500 ± 0.125	0.037 to 0.043
10.0	1.719 to 1.937	0.343 to 0.407	1.500 ± 0.125	0.037 to 0.043
Precision Type III				
0.05	0.380 ± 0.020	0.110 ± 0.025	1.750 ± 0.250	0.025 ± 0.002
0.10	0.530 max	0.180 max	2.000 ± 0.250	0.025 ± 0.002
0.25	0.500 ± 0.062	0.250 ± 0.031	2.000 ± 0.250	0.032 ± 0.003
0.50	0.812 ± 0.062	0.312 ± 0.016	2.000 ± 0.250	0.032 ± 0.003

Table 2-6. Physical Dimensions of Lug Mounted Wirewound Resistors

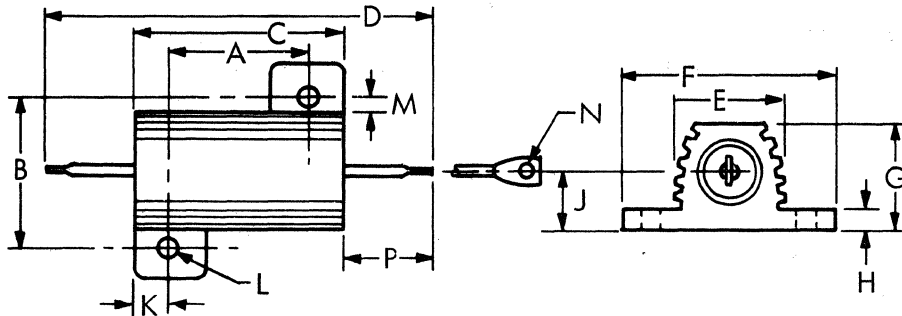


DIMENSIONS (INCHES)

Power Rating (Watts)	L	OD	CLT	ID	TW	LH
5	1.000 ± 0.062	0.359 ± 0.078	0.625 ± 0.125	0.187 ± 0.049	0.187 ± 0.32	0.085 min
10	1.750 ± 0.062	0.327 ± 0.048	0.625 ± 0.125	0.187 ± 0.049	0.187 ± 0.32	0.085 min
20	2.000 ± 0.062	0.562 ± 0.125	0.691 ± 0.113	0.343 ± 0.062	0.187 ± 0.62	0.085 min
25	2.000 ± 0.062	0.612 ± 0.075	0.863 ± 0.075	0.312 ± 0.031	0.250 ± 0.62	0.144 min
50	4.000 ± 0.062	0.687 ± 0.125	0.875 ± 0.093	0.312 ± 0.031	0.250 ± 0.31	0.144 min
100	6.250 ± 0.312	1.093 ± 0.344	1.093 ± 0.141	0.500 ± 0.000	0.280 ± 0.40	0.144 min

PASSIVE COMPONENTS MANUAL

Table 2-7. Physical Dimensions of Aluminum Housed Wirewound Resistors



DIMENSIONS (INCHES)							
Power Rating (Watts)	A	B	C	D	E	F	G
5	± 0.444 ± 0.005	± 0.490 ± 0.005	± 0.600 ± 0.031	± 1.125 ± 0.062	± 0.334 ± 0.015	± 0.646 ± 0.015	± 0.320 ± 0.015
10	± 0.562 ± 0.005	± 0.625 ± 0.005	± 0.750 ± 0.031	± 1.375 ± 0.062	± 0.420 ± 0.015	± 0.800 ± 0.015	± 0.390 ± 0.015
25	± 0.719 ± 0.005	± 0.781 ± 0.005	± 1.062 ± 0.031	± 1.938 ± 0.062	± 0.550 ± 0.015	± 1.080 ± 0.015	± 0.546 ± 0.015
50	± 1.563 ± 0.005	± 0.844 ± 0.005	± 1.968 ± 0.031	± 2.781 ± 0.062	± 0.630 ± 0.015	± 1.140 ± 0.015	± 0.610 ± 0.015

Power Rating (Watts)	H	J	K	L	M	N	P
5	± 0.065 ± 0.010	± 0.133 ± 0.010	± 0.078 ± 0.010	± 0.093 ± 0.005	± 0.078 ± 0.015	± 0.050 ± 0.005	± 0.262 ± 0.062
10	± 0.075 ± 0.010	± 0.165 ± 0.010	± 0.093 ± 0.010	± 0.093 ± 0.005	± 0.102 ± 0.015	± 0.086 ± 0.005	± 0.312 ± 0.062
25	± 0.088 ± 0.010	± 0.231 ± 0.010	± 0.172 ± 0.010	± 0.125 ± 0.005	± 0.115 ± 0.015	± 0.086 ± 0.005	± 0.438 ± 0.062
50	± 0.088 ± 0.010	± 0.260 ± 0.010	± 0.196 ± 0.010	± 0.125 ± 0.005	± 0.107 ± 0.015	± 0.086 ± 0.005	± 0.406 ± 0.062

PASSIVE COMPONENTS MANUAL

When using Power Wirewound resistors as a card mounted device they should be derated to less than 20% of their rated power, mounted on studs, or used with a substantial amount of air flow, in order to avoid exceeding maximum allowable card temperature. The actual operating temperature of power wirewound resistors under specific power levels and ambient conditions may be determined from Figures 2-9, 2-17, 2-18, and 2-19.

The worst case EOL drift for power wirewound resistors is $\pm 4\%$. A typical range of absolute worst case EOL tolerances is:

Purchase tolerance: $\pm 1\%$ to $\pm 10\%$
Short Term Effects: $\pm 0.5\%$
TCR: $\pm 1\%$ to $\pm 5.4\%$
W.C. EOL Drift: $\pm 0.5\%$ to $\pm 4\%$
Absolute W.C. EOL Tolerance: $\pm 3\%$ to $\pm 19.4\%$

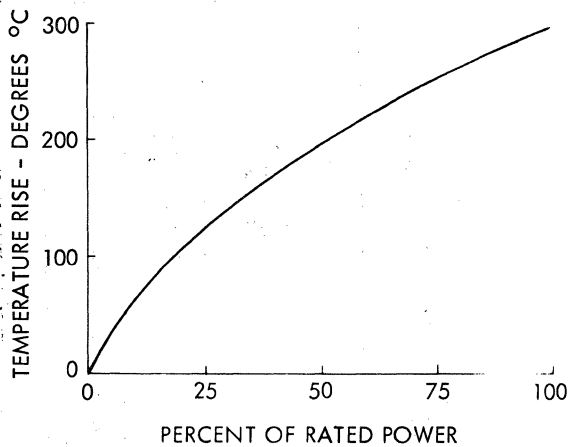


Figure 2-17. Temperature Rise versus Percent Rated Power for Power Wirewound Resistors

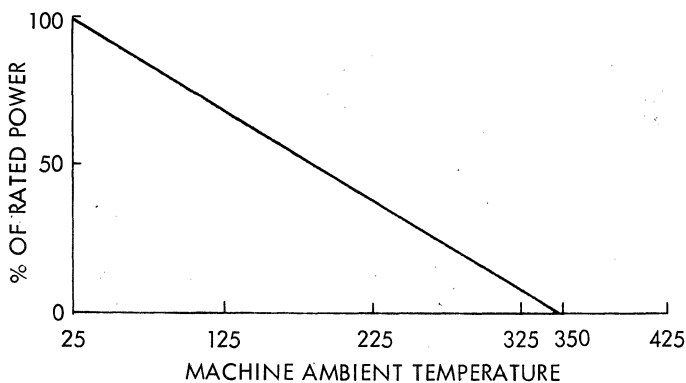


Figure 2-18. Derating Curve for Lug Mounted Power Wirewound Resistors

PASSIVE COMPONENTS MANUAL

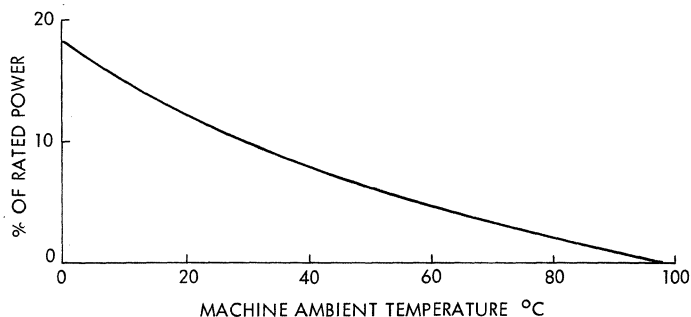


Figure 2-19. Derating Curve for Axial-lead Power Wirewound Resistors

The frequency characteristics of power wirewound resistors may be determined from the equations and method described in the following paragraphs on general purpose wirewound resistors. In general, power wirewound resistors have inductive properties unless they are specially wound.

General Purpose Wirewound (Type II)

The maximum operating temperature (hot spot) for GP wirewound resistors is 275°C. This occurs at full rated power and in a 25°C still air ambient. A minimum derating of 50% is usually required. When being used on a conventional card, the power rating should be reduced to 20% of its rated power or a substantial amount of air flow is required to avoid exceeding the maximum allowable card temperature.

The actual operating temperature for specific ambient conditions and power levels may be determined from Figures 2-9, 2-20, and 2-21.

PASSIVE COMPONENTS MANUAL

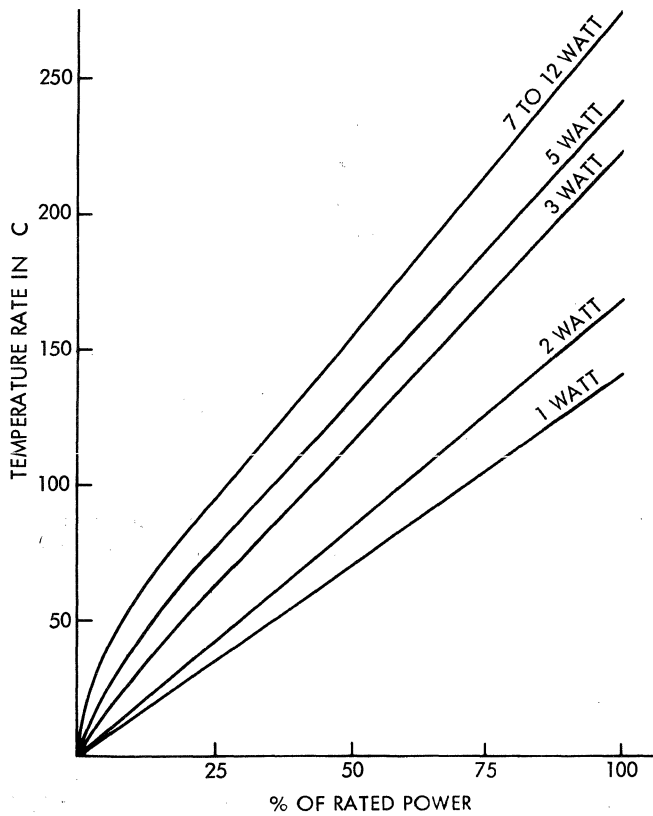


Figure 2-20. Temperature Rise versus Percent Rated Power for General Purpose Wirewound Resistors

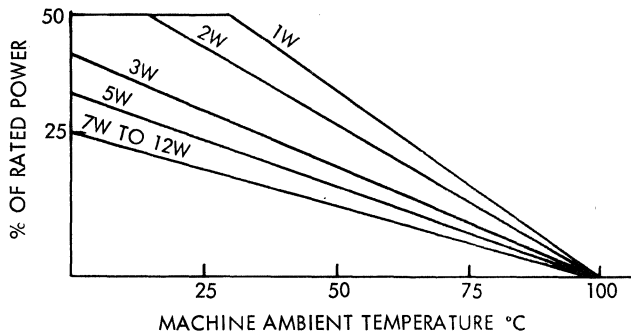


Figure 2-21. Derating Curves for General Purpose Wirewound Resistors

The worst case EOL drift for GP wirewound resistors is +2.0, -0.5%. A typical range of absolute W.C. EOL tolerance is:

- Purchase tolerance: $\pm 0.1\%$ to $\pm 5\%$
- Short Term Effects: $\pm 0.5\%$
- TCR: $\pm 0.15\%$ to $\pm 0.8\%$
- W.C. EOL Drift: +2.0%, -0.5%
- Absolute W.C. EOL Tolerance: +2.75%, -1.25%

PASSIVE COMPONENTS MANUAL

As with other wirewound types, the GP resistors are typically frequency sensitive. The frequency characteristics are presently being specified on the applicable IBM drawing as an aid to the circuit designer. The specified parameters are the maximum usable frequency at 12.5° phase shift, the inductance at this frequency, and the time constant. The frequency is specified at 12.5° phase shift because at this point the impedance of the device changes approximately 2.5% of the nominal resistance (Rdc). This change is considered insignificant for most applications. It was found that the inductance was approximately the same, for a particular value of resistance and power rating size, at frequencies ranging from 0.5 to 10 MHz. The frequency characteristics specified in Table 2-8 are for type II wirewound resistors. The table presents worst case calculated parameters and represents the maximum usable frequency and time constant. The following equations were used to determine the specified parameters:

$$1. \quad L = \frac{X_L}{2\pi f}$$

$$2. \quad X_L = (\tan \theta) (R_{dc})$$

$$3. \quad TC = \frac{L}{R_{dc}}$$

where, $\theta = 12.5^\circ$ and f is calculated at 12.5° phase shift.

PASSIVE COMPONENTS MANUAL

Table 2-8. Frequency Characteristics of Type II Wirewound Resistors

Type	Resistance (DC)	Frequency in MegaHertz at 12.50° Phase Shift	Inductance in MicroHenries	Time Constant in Nanoseconds
1 Watt	2	0.27	0.262	131
	50	2.3	0.767	13.3
	97	3.2	1.07	11.1
	300	4.18	2.53	8.34
	787	5.8	4.79	6.06
	1200	7.5	5.52	4.6
	1650	9.3	6.11	3.78
	2000	10.5	6.72	3.36
	2300	11.7	6.94	3.02
	2 Watt & 3 Watt	11	1.09	0.358
51		1.45	1.23	24.4
100		2.10	1.68	16.8
6000		70.4	3.02	0.503
5 Watt	3	0.13	0.815	272
	46.4	0.3	5.46	125
	175	0.75	8.24	47.6
	300	1.05	10.1	34.5
	675	1.3	18.3	27.8
	1150	1.9	21.35	18.6
	1900	3.1	22.1	11.6
	2500	4.1	21.5	8.62
	3000	4.9	21.6	7.2
	3500	5.7	21.65	6.2
	4000	6.5	21.7	5.43
	4500	7.25	21.9	4.87
	5000	8.1	21.8	4.36
	5600	9.0	22.0	3.92

If a resistor value lies between those presented in the table, the inductance value for the next higher resistance should be chosen. Using this inductance, the frequency and time constant can be calculated.

When a standard wirewound resistor is used at a frequency less than that specified in the table, the impedance will approach the nominal ohmic value of the resistor. If the resistor is used at a frequency higher than that specified, the impedance will increase by a significant amount and the resultant phase shift should be considered for the application.

The relatively low cost and good EOL drifts of general purpose wirewound resistors make them very useful in bridging the gap between the power and precision wirewound resistor families.

Aluminum Housed Wirewound (Type II)

The power rating of aluminum housed wirewound resistors is based on operation at full rated power in a 25°C free air ambient while attached to a proper heat sink. Proper heat sinks have been defined as follows:

Thermal Grease is recommended

Heat Sink Dimensions (Inches)	Power Rating
4 × 6 × 2 × 0.040 aluminum chassis	5 and 10 W
5 × 7 × 2 × 0.040 aluminum chassis	25 W
12 × 12 × 0.059 aluminum panel	50 W
12 × 12 × 0.125 aluminum panel	100 and 250 W

The maximum internal (hot spot) temperature allowed is 275°C. Figure 2-22 details how each power level must be derated under various operating conditions to meet this requirement.

The TCR specified for aluminum housed resistors over the standard temperature range of -55°C to +275°C is typically:

Resistance (Ohms)	TCR (PPM/°C)
1 to 9.9	±50
10 to 49	±30
over 50	±20

Resistors are available, however, with TCR's as low as ±10 ppm/°C and variations of the standard TCR are available as special orders.

The typical range of absolute worst case EOL tolerances for aluminum housed resistors is:

Purchase tolerance: ±0.05% to ±3%
 Short Term Effects: ±0.5% to ±2%
 TCR (Max)°C: ±0.003% to ±0.009%
 W.C. EOL Drift: ±0.5% to ±1.5%
 Absolute W.C. EOL Tolerance: ±1.05% to ±6.5%

PASSIVE COMPONENTS MANUAL

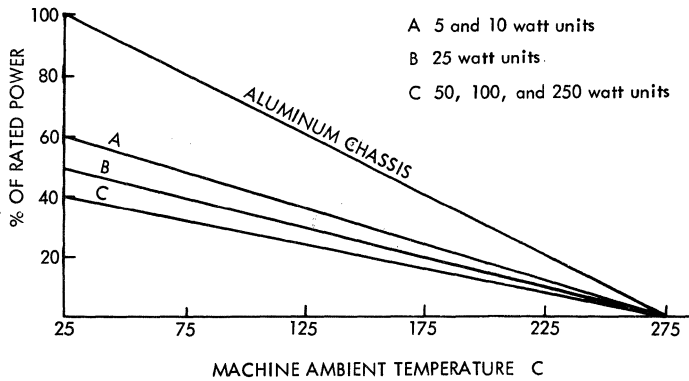


Figure 2-22. Derating Curves for Aluminum Housed Resistors for Skin Temperature Information Call PCE

Precision Wirewound

The maximum operating temperature (hot spot) of precision wirewound resistors is 145°C. This occurs when the resistor is operated at full rated power and in a still air ambient of 85°C. In order to avoid exceeding the maximum allowable card temperature (approximately 100°C), the device must be derated to less than 80% of its rated power or used with an appropriate amount of airflow. Figures 2-9, 2-23, and 2-24 should be used to determine the actual operating temperature of specific power levels and ambient conditions.

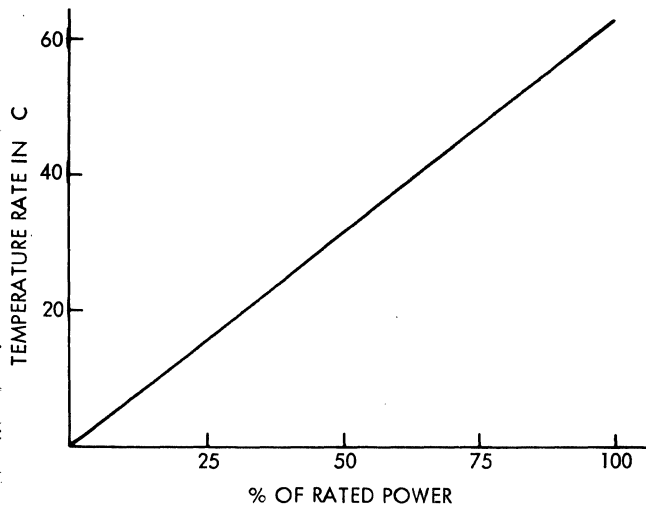


Figure 2-23. Temperature Rise versus Percent Rated Power for Precision Wirewound Resistors

PASSIVE COMPONENTS MANUAL

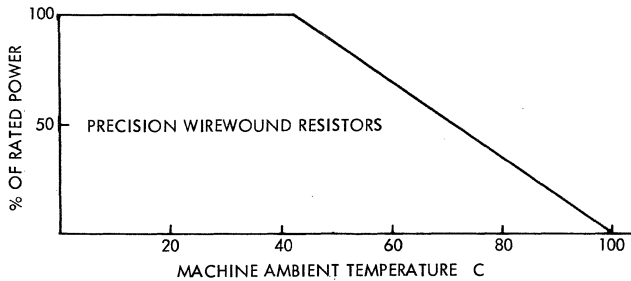


Figure 2-24. Derating Curve for Precision Wirewound Resistors

The worst case EOL drift is typically between $\pm 0.02\%$ and $\pm 0.12\%$. Following is a range of typical absolute worst case EOL tolerances.

- Purchase tolerance: $\pm 0.005\%$ to $\pm 1.0\%$
- TCR (Max): $\pm 0.1\%$
- W.C. EOL Drift: $\pm 0.02\%$ to $\pm 0.12\%$
- Absolute W.C. EOL Tolerance: $\pm 0.125\%$ to $\pm 1.22\%$

The frequency characteristics vary considerably within this family of resistors. As in all wirewound resistors, inductance will be present unless special measures are taken during the winding operations. The fact that many wire layers are common in this style of resistor allows a great deal of winding to winding capacitance to build up, and consequently, the effective reactance will be low. Typical reactance characteristics for "standard" wound and "special" wound types are listed in Table 2-9.

Table 2-9. Inductance/Capacitance Characteristics of Wirewound Resistors

Resistance	Effective Reactance/ Capacitance	
	Standard Value	Special Winding
1.5 Ω	20 μH	0.1 pF-2 μH
10 Ω	10 μH	0.1 pF
100 Ω	2 pF	0.7 pF

The capacitive reactance can completely cancel the inductive reactance, resulting in a slight net capacitive reactance. The greater the resistance value, the greater the number of turns employed, and the greater the capacitance of the unit will be.

PASSIVE COMPONENTS MANUAL

RELIABILITY

The failure rate supported for power wirewound and general purpose wirewound resistors (including aluminum housed) is 0.005%/1k hours over a useful life of 100k hours. The failure rate supported for precision wirewound resistors is 0.001%/1k hours over a useful life of 100k hours. SPOL for power and general purpose wirewound resistors is 0.05%.

ECONOMICS AND DESIGN CONSIDERATIONS

The cost of wirewound resistors is dependent on the type of resistor required, the individual part number parameters, and the yearly commodity volume. The "to user" cost of power wirewound resistors ranges between \$0.30 and \$1.00 each. The "to user" cost of general purpose wirewound resistors ranges between \$0.20 and \$0.45 each. Precision wirewound resistors are the most expensive. The typical "to user" cost is \$1.00 to \$5.00 each. They can be justified only for critical applications. The newer film technologies have filled many of the applications formerly satisfied only by precision wirewound resistors.

SPECIFICATIONS

The following specifications are applicable to Wirewound resistors:

Engineering Specification: 895311
Quality Specification: 873703

DCS Codes

Power Wirewound: 23581
General Purpose Wirewound: 23582
Aluminum Housed Wirewound: 23585
Precision Wirewound: 23583

TEMPERATURE SENSITIVE RESISTORS

DESCRIPTION

Temperature sensitive resistors are thermally sensitive devices whose primary function is to exhibit a change in electrical resistance with a change in body temperature. Temperature sensitive resistors are used in applications requiring circuit performance compensation, temperature control, temperature measurement, and as protection devices against surge voltages and currents. They may also be used for liquid level sensing applications, as well as switching and time delay devices.

Types Available

There are three types of temperature sensitive resistors, each of which are manufactured from different raw materials.

The negative temperature coefficient (NTC) resistors are usually mixtures of metallic oxide semi-conductors, whose resistivity decreases with increasing temperature. These oxide mixtures (manganese, nickel, cobalt, copper, iron, and uranium) are mixed with inert binders, as clay or titanium dioxide and pressed into desired forms as, discs, rods, washers, or beads. The "green" resistors are then sintered at extremely high temperatures (1300°C and above) under controlled conditions of sintering time, temperature and humidity, into ceramic like structures. These conditions, along with type of mixture, particle size, and physical configuration determine the basic resistor characteristics. Metallic contacts are added, screened silver paste for disc and washers, and sprayed copper for rods. Assembly is completed by soldering wire leads to the metallic contacts. The finished product may or may not be encapsulated. In the case of small bead devices, they do not have metallic contacts, the beads being sintered directly into the body and usually encapsulated by means of a glass sleeve or fired-on glass frit coating. These devices are then aged for maximum long term stability.

The positive temperature coefficient (PTC) resistors used within IBM have a resistive element which is a semiconductor grade silicon specially doped to give the properties required. The basic silicon element is supported on a ceramic plate. Fused ohmic contacts are made to the silicon element with two base metal ribbons. The ribbons are in turn welded to gold plated copper leads. The entire assembly is transfer molded into a plastic package.

Positive temperature coefficient switching resistors are usually ceramic materials, such as barium, strontium, and lead titanates, with trace quantities of certain impurity ions substituted in the crystal lattice. The temperature coefficient of these resistors changes as the Curie point is passed. Below this level, the coefficient has a small negative value; above, it is a large positive term. The sharply changing characteristic makes these devices useful as solid state thermally sensitive switches.

PASSIVE COMPONENTS MANUAL

The typical temperature versus resistance curves for NTC and PTC switching resistors are shown in Figures 2-25, 2-26, and 2-27.

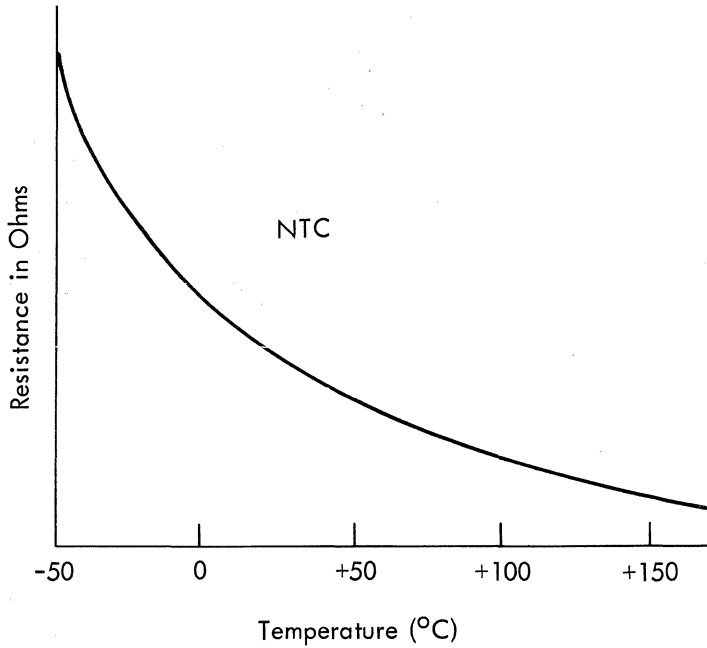


Figure 2-25. Temperature versus Resistance (NTC)

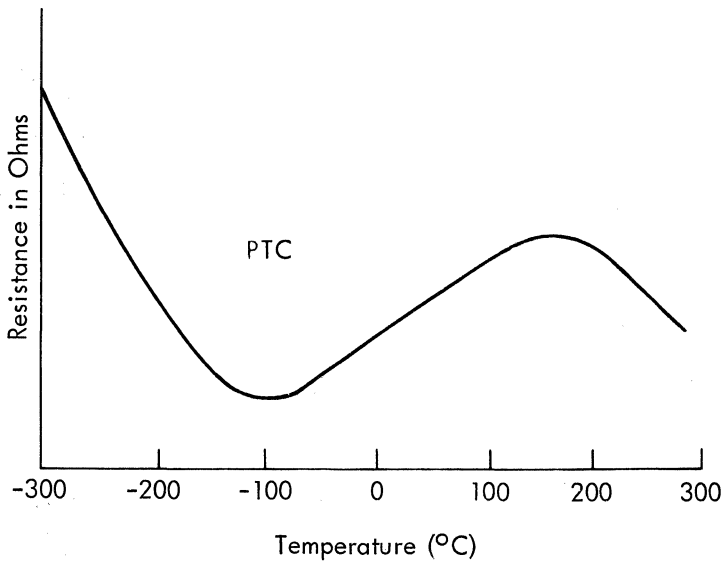


Figure 2-26. Temperature versus Resistance (PTC)

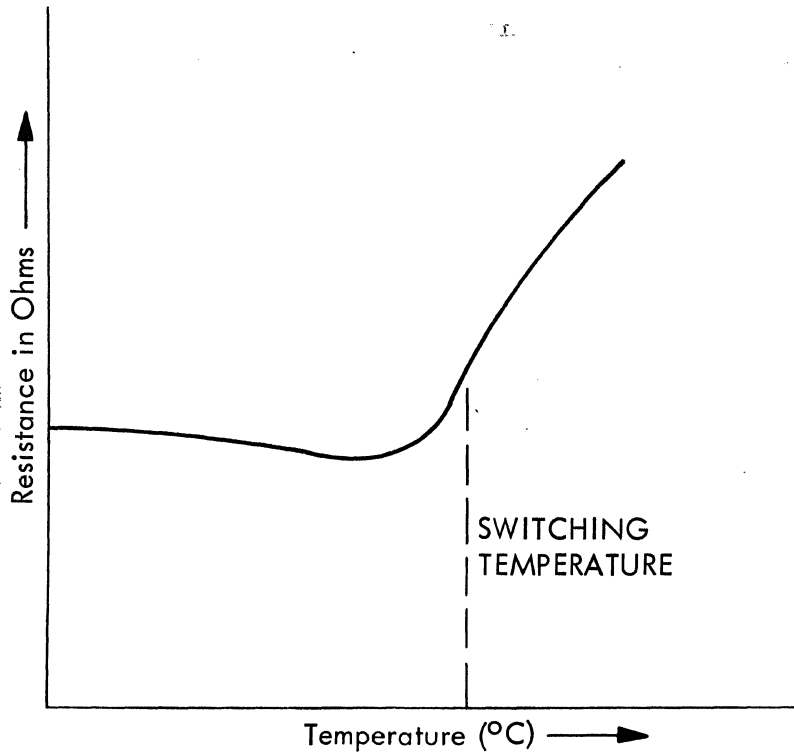
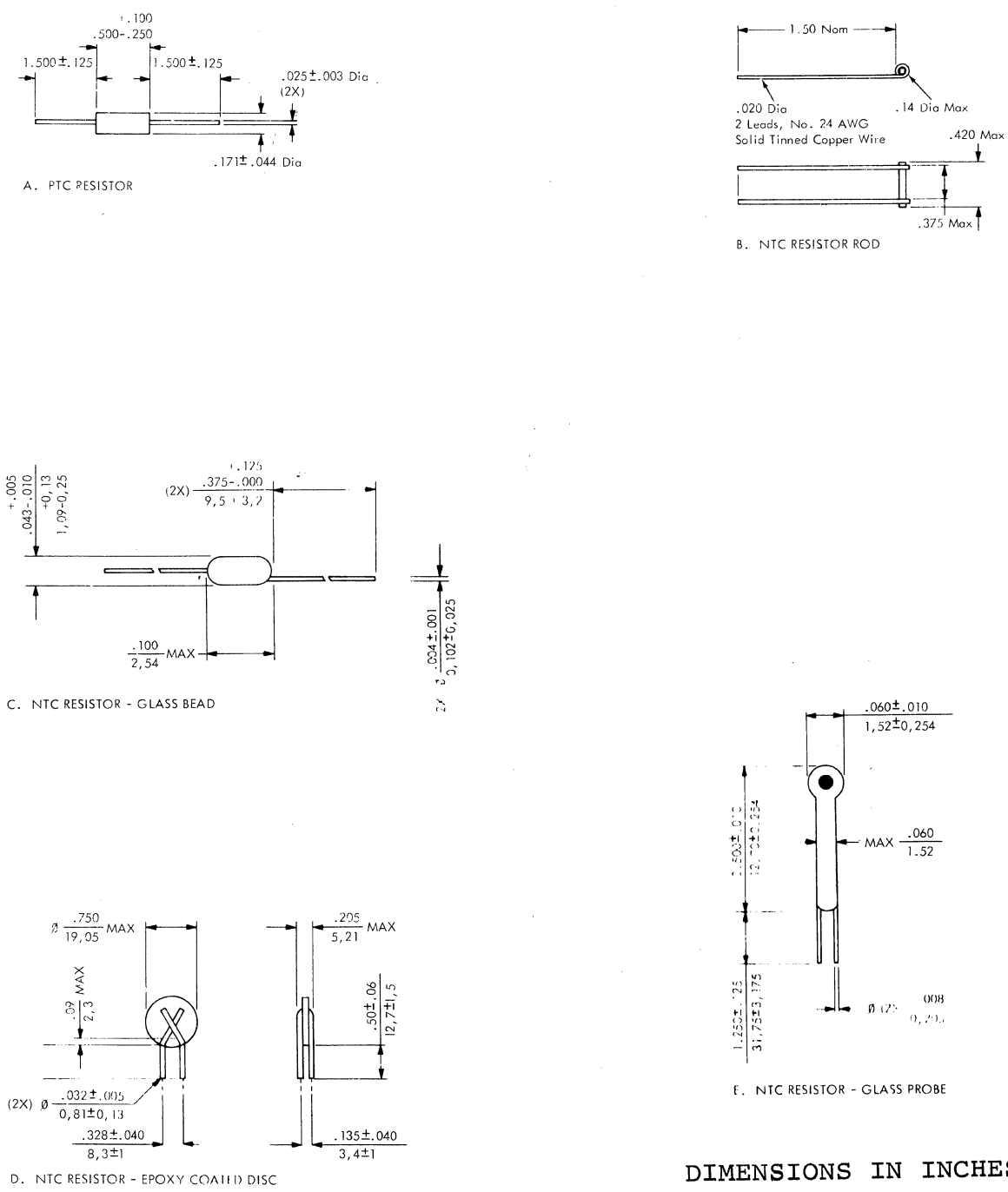


Figure 2-27. Resistance versus Switching Temperature

Temperature sensitive resistors are available in several body styles. Some of the more common NTC body configurations used in IBM are shown in Figure 2-27. Other configurations do exist, including chips and thick film flakes suitable for microcircuit applications. The responsible component engineer should be consulted for the best design for a particular application. PTC resistors presently released are available only in the configuration shown in illustration Figure 2-27A. PTC switching resistors are a new addition to the IBM temperature sensitive resistor family. As of this printing, no devices of this type have been released. They are generally available in the disc configuration.

PASSIVE COMPONENTS MANUAL



DIMENSIONS IN INCHES

Figure 2-28. Typical Temperature Sensitive Resistor Body Styles

Temperature sensitive resistors are typically specified for operation between 0°C and 150°C to ensure stability of temperature to resistance characteristics. However, special high temperature NTC and PTC resistors are available which can operate above 200°C. The resistance-temperature characteristics of temperature sensitive resistors are non-linear, so that resistance tolerances are given at specified temperatures. Typical purchased product resistance tolerance ranges from ±5% to ±10% at 25°C which will vary above this value (±5% to ±15%) over its operating temperature range. Tighter tolerance may be obtained, as low as ±0.5% at 25°C, or a tight tolerance may be specified for a specific temperature point or narrow temperature range. Typical physical sizes and 25°C resistance ranges for the various body styles of NTC and PTC resistors are given in Table 2-10.

PERFORMANCE CHARACTERISTICS

Temperature sensitive resistors have two operational modes: externally heated and self heating. In the externally heated mode they convert changes in ambient and/or contact temperature directly into changes in voltage or current through changes in their resistances. In self heating, they utilize the heating effect of current flowing through them to raise and control their temperature and resistance.

Table 2-10. Typical Temperature Sensitive Resistor Physical Dimension and Resistance Ranges

Type	Style	Diameter (in)	Length (in)	Thickness (in)	25°C Resistance Range (Ohms)
NTC	BEAD	0.005 - 0.050	-	-	10 - 30 MEG
NTC	DISC	0.05 - 1.0	-	0.01 - 0.25	1 - 1 MEG
NTC	ROD	0.05 - 0.17	0.5 - 2.0	-	1k - 150k
PTC	-	0.14 - 0.20	0.40 - 0.58	-	10 - 10k
PTC*	DISC	0.4	-	0.1	0 - 120°C

There are three basic characteristics of temperature sensitive resistors that make them useful in electronic and electrical circuits.

*PTC Switching - Switching Temperature Range Shown

Resistance-Temperature Characteristic

This is a change in resistivity produced by changes in temperature and is measured under "zero power" conditions, that is, no power is dissipated within the resistor. The TCR characteristic is given by the equation:

$$\text{TCR} = 1/R \, dR/dT,$$

where:

TCR = temperature coefficient of resistance at any temperature T

R = resistance at T

dR/dT = slope of resistance temperature curves at T

It can be seen that the TCR is actually a measure of the slope of the resistance versus temperature characteristic curves in Figures 2-25 and 2-26. Typical TCR's for NTC resistors range from -1 to -6%/°C, while for PTC resistors the typical TCR is +0.7%/°C.

In many applications the thermal time constant of the device is important. The thermal time constant is defined as the time in seconds required for a temperature sensitive resistor to change 63% of the difference between its initial temperature and the surrounding temperature when no electrical power is dissipated in the device. Values are typically given for devices suspended by their leads in still air ambient. Figure 2-28 shows a typical temperature difference versus time plot. Typical thermal time constants range from 1 to 75 seconds for NTC devices, and 50 to 60 seconds for PTC devices.

Voltage-Current Characteristics

Under fixed ambient conditions, the resistance of a temperature sensitive resistor is a function of the power being dissipated within itself, provided there is sufficient power to raise its temperature considerably above ambient. The voltage-current relationship is useful when temperature sensitive resistors are operated in the self heat mode. Figure 2-30 illustrates a typical voltage-current curve.

The voltage-current plot of Figure 2-30 shows the steady state voltage current characteristics of an NTC temperature sensitive resistor. It indicates that if a small voltage is applied, a small current will flow. If this current does not produce enough heat to increase the temperature measurably above its surroundings, Ohm's law will be followed and the current will be proportional to the applied voltage.

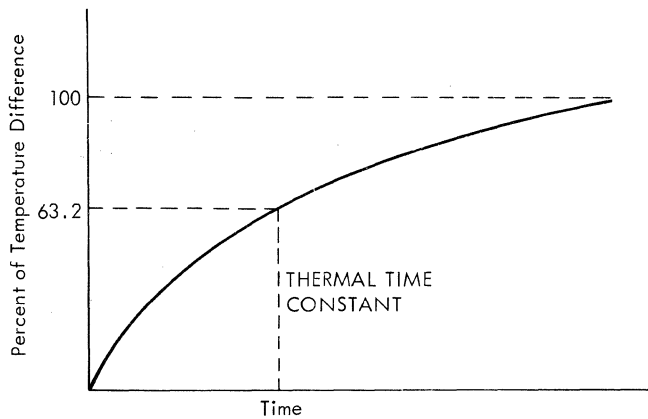


Figure 2-29. Typical Thermal Time Constant

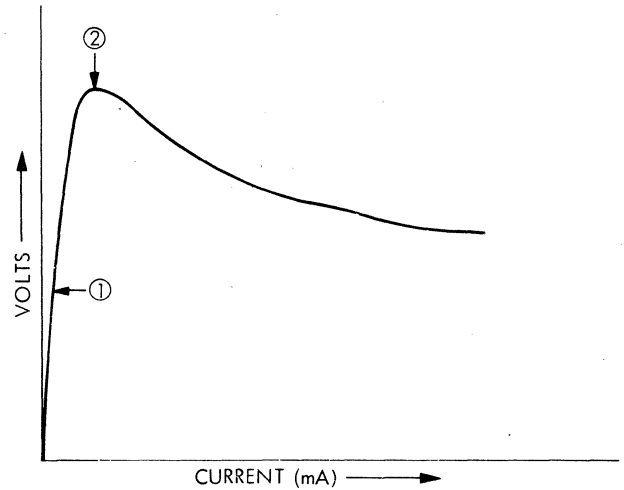


Figure 2-30. Voltage-Current Curve

(Point 1 of curve). If the voltage is gradually increased, the current will increase and self heat generated in the resistor will begin to raise the resistor's temperature above the surroundings. The resistance will consequently be lowered, and more current will flow than if the resistance had remained constant. This change will continue until the peak of the curve is reached (point 2). This is the peak voltage; beyond this point, the current will increase with no increase in applied voltage.

In self heating applications the dissipation constant is important. It is defined as the power required to raise the resistor body temperature 1°C above ambient in the specified medium. This constant is expressed in milliwatts per degree Celsius. The dissipation constant is dependent upon the thermal conductivity of the medium in which the thermistor is used, the relative velocity of this medium, as well as the resistor lead length, diameter, composition, and mounting.

Values are generally expressed for devices suspended by their leads in a still air ambient of 25°C . Typical dissipation constants range from $0.4 \text{ mW}/^{\circ}\text{C}$ for small bead type devices to $32 \text{ mW}/^{\circ}\text{C}$ for disc type NTC resistors. Typical PTC resistors used within IBM have a dissipation constant of $5 \text{ mW}/^{\circ}\text{C}$.

Most temperature sensitive resistors used within IBM have power ratings such that the maximum operating temperature (ambient plus temperature use) will not exceed 100°C for card mounted applications and 150°C for non-card mounted applications. Typical power ratings range from 0.035 watt at 25°C for small bead resistors, to 2.5 watts at 25°C for disc type NTC resistors. Presently released PTC resistors have a wattage rating of $1/8 \text{ watt}$ at 25°C . It is very difficult to establish a power versus operating derating curve for temperature sensitive resistors due to their many body designs and method of mounting. It is therefore recommended that the responsible component engineer be consulted for each application.

Current-Time Characteristic

This is the relationship at a specified ambient temperature between the current through a temperature sensitive resistor and time upon application of a step function of voltage to it. Under fixed external circuit conditions, the thermal mass of the resistor determines the current-time characteristic.

The worst case EOL drifts, EOL tolerances, and failure rates are typically not specified for temperature sensitive resistors due to their extreme TCR variations and allowable resistance tolerance over their operating temperature ranges. The stability of a temperature sensitive resistor is dependent upon materials of manufacture, processing, and use conditions.

ECONOMICS AND DESIGN CONSIDERATIONS

The "to user" cost of temperature sensitive resistors varies with type, the process required, the total yearly volume, and the materials and specifications required to meet the particular application parameters. Typical cost for NTC standard rod and disc type resistors range from \$0.25 to \$1.00 each. Depending upon tolerances and requirements, glass bead and probe type resistors may range from \$2.50 to \$12.00 each. The cost of the PTC resistors varies from \$2.00 to \$7.00 each.

SPECIFICATIONS

The applicable specifications for temperature sensitive resistors are as follows:

Engineering Specification:	871139
Engineering Specification:	871300
Quality Specification:	860925
DCS Code:	2-3562 (NTC)
	2-3563 (PTC)

PASSIVE COMPONENTS MANUAL

GENERAL PURPOSE RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

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23595 - 1/8 Watt

PG. 1 06/30/82 23:06 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 23595 DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
4429896	A	1.00	.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429825	A	.00	1.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429826	A	.00	1.10	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429827	A	.00	1.20	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429828	A	.00	1.30	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429829	A	.00	1.50	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429830	A	.00	1.60	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429831	A	.00	1.80	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429832	A	.00	2.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429833	A	.00	2.20	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429834	A	.00	2.40	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429835	A	.00	2.70	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429836	A	.00	3.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429837	A	.00	3.30	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429838	A	.00	3.60	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429839	A	.00	3.90	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429840	A	.00	4.30	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429841	A	.00	4.70	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429842	A	.00	5.10	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429843	A	.00	5.60	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429844	A	.00	6.20	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429845	A	.00	6.80	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429846	A	.00	7.50	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429847	A	.00	8.20	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429848	A	.00	9.10	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429849	A	.00	10.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429850	A	.00	11.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429851	A	.00	12.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429852	A	.00	13.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429853	A	.00	15.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429854	A	.00	16.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429855	A	.00	18.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429856	A	.00	20.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429857	A	.00	22.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429858	A	.00	24.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429859	A	.00	27.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429860	A	.00	30.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429861	A	.00	33.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429862	A	.00	36.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429863	A	.00	39.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429864	A	.00	43.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429865	A	.00	47.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429866	A	.00	51.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429867	A	.00	56.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429868	A	.00	62.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429869	A	.00	68.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429870	A	.00	75.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429871	A	.00	82.00	.00	5.00	5.00	.00	125	CC		180	74	1000	18	4429763

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

General Purpose Resistors

PG. 2 06/30/82 23:06 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2359\$ DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
4429872	A	.00	91.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429873	A	.00	100.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429874	A	.00	110.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429875	A	.00	120.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429876	A	.00	130.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429877	A	.00	150.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429878	A	.00	180.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429879	A	.00	200.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429880	A	.00	220.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429881	A	.00	240.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429882	A	.00	270.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429883	A	.00	300.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429884	A	.00	330.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429885	A	.00	360.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429886	A	.00	390.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429887	A	.00	430.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429888	A	.00	470.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429889	A	.00	510.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429890	A	.00	560.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429891	A	.00	620.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429892	A	.00	680.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429893	A	.00	750.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429894	A	.00	820.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429895	A	.00	910.00	.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429763	A	.00	.00	2.70		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429764	A	.00	.00	3.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429765	A	.00	.00	3.30		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429766	A	.00	.00	3.60		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429767	A	.00	.00	3.90		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429768	A	.00	.00	4.30		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429769	A	.00	.00	4.70		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429770	A	.00	.00	5.10		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429771	A	.00	.00	5.60		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429772	A	.00	.00	6.20		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429773	A	.00	.00	6.80		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429774	A	.00	.00	7.50		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429775	A	.00	.00	8.20		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429776	A	.00	.00	9.10		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429777	A	.00	.00	10.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429778	A	.00	.00	11.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429779	A	.00	.00	12.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429780	A	.00	.00	13.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429781	A	.00	.00	15.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429782	A	.00	.00	16.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429783	A	.00	.00	18.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429784	A	.00	.00	20.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429785	A	.00	.00	22.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763
4429786	A	.00	.00	24.00		5.00	5.00	.00	125		CC	180	74	1000	18	4429763

Component Data Bank - P/N Catalog
General Purpose Resistors

PG. 3 06/30/82 23:06 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2359\$ DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
4429787	A	.00	.00	27.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429788	A	.00	.00	30.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429789	A	.00	.00	33.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429790	A	.00	.00	36.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429791	A	.00	.00	39.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429792	A	.00	.00	43.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429793	A	.00	.00	47.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429794	A	.00	.00	51.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429795	A	.00	.00	56.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429796	A	.00	.00	62.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429797	A	.00	.00	68.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429798	A	.00	.00	75.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429799	A	.00	.00	82.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429800	A	.00	.00	91.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429801	A	.00	.00	100.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429802	A	.00	.00	110.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429803	A	.00	.00	120.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429804	A	.00	.00	130.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429805	A	.00	.00	150.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429806	A	.00	.00	160.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429807	A	.00	.00	180.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429808	A	.00	.00	200.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429809	A	.00	.00	220.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429810	A	.00	.00	240.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429811	A	.00	.00	270.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429812	A	.00	.00	300.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429813	A	.00	.00	330.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429814	A	.00	.00	360.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429815	A	.00	.00	390.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429816	A	.00	.00	430.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429817	A	.00	.00	470.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429818	A	.00	.00	510.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429819	A	.00	.00	560.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429820	A	.00	.00	620.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429821	A	.00	.00	680.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429822	A	.00	.00	750.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429823	A	.00	.00	820.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
4429824	A	.00	.00	910.00		5.00	5.00	.00	125	CC		180	74	1000	18	4429763
TOTAL RECORDS			134													

E45-0359 Rev. 2

IBM Internal Use Only 2-49

September 15, 1982

PASSIVE COMPONENTS MANUAL

GENERAL PURPOSE RESISTORS

Component Data Bank - P/N Catalog

DCS CODE

23591 - 1/4 Watt

PG. 1 06/30/82 23:07 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2359\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC RES PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0216746	A	1.00	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216747	A	1.10	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216748	A	1.20	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216749	A	1.30	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216750	A	1.50	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216751	A	1.60	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216752	A	1.80	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216753	A	2.00	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216754	A	2.20	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216756	A	2.40	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216763	A	2.70	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216768	A	3.00	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216769	A	3.30	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216770	A	3.60	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216774	A	3.90	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216782	A	4.30	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216783	A	4.70	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216784	A	5.10	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216785	A	5.60	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216786	A	6.20	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216787	A	6.80	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216788	A	7.50	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216789	A	8.20	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216790	A	9.10	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
5131540	C	20.00	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0000000
5615769	A	39.00	.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0000000
5615510	A	56.00	.00	.00	5.00	5.00	.00	250		CC	265	98	1625	27	0000000
0216445	A	.00	1.00	.00	5.00	5.00	.00	250		CC	270	98	1500	28	0000000
0216446	A	.00	1.10	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216447	A	.00	1.20	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216448	A	.00	1.30	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216449	A	.00	1.50	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216450	A	.00	1.60	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216451	A	.00	1.80	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216452	A	.00	2.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216453	A	.00	2.20	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216454	A	.00	2.40	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216455	A	.00	2.70	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0595357	A	.00	3.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216456	A	.00	3.30	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216457	A	.00	3.60	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216458	A	.00	3.90	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216459	A	.00	4.30	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216460	A	.00	4.70	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216461	A	.00	5.10	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216462	A	.00	5.60	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216463	A	.00	6.20	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216464	A	.00	6.80	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
General Purpose Resistors

PG. 2 06/30/82 23:07 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2359\$ DR/PWR/MW EQ 250 DR/PAR1 NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS TOL MILOHM	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0216465	A	.00	7.50	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216466	A	.00	8.20	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216467	A	.00	9.10	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216468	A	.00	10.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216469	A	.00	11.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216470	A	.00	12.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216471	A	.00	13.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216472	A	.00	15.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216473	A	.00	16.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216474	A	.00	18.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216475	A	.00	20.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216476	A	.00	22.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216477	A	.00	24.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216478	A	.00	27.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216479	A	.00	30.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216480	A	.00	33.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216481	A	.00	36.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216482	A	.00	39.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216483	A	.00	43.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216484	A	.00	47.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216485	A	.00	51.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216486	A	.00	56.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0492476	A	.00	62.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216487	A	.00	68.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216488	A	.00	75.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216489	A	.00	82.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216490	A	.00	91.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216491	A	.00	100.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216492	A	.00	110.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216493	A	.00	120.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216494	A	.00	130.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216495	A	.00	150.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216496	A	.00	160.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216497	A	.00	180.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216498	A	.00	200.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0492475	A	.00	220.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216499	A	.00	240.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216725	A	.00	270.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216727	A	.00	300.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216728	A	.00	330.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216729	A	.00	360.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216730	A	.00	390.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216731	A	.00	430.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216733	A	.00	470.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216735	A	.00	510.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216736	A	.00	560.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216738	A	.00	620.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216739	A	.00	680.00	.00	5.00	5.00	.00	250		CC	265	98	1500	27	0216421

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

General Purpose Resistors

PG. 3 06/30/82 23:07 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REE1 DCS#N EQ 2359\$ DR/PWR/MW EQ 250 DR/PAR1 NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC RES PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0216740	A	.00	750.00	.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216741	A	.00	820.00	.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216743	A	.00	910.00	.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
1589454	A	.00	.00	3.30		5.00	5.00	.00	250		CC	265	98	1725	27	0000000
2182679	A	.00	.00	4.70		5.00	5.00	.00	250		CC	265	98	1500	27	0000000
1590152	A	.00	.00	6.80		5.00	5.00	.00	250		CC	270	98	1725	28	0000000
5301517	A	.00	.00	10.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483175	A	.00	.00	11.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483176	A	.00	.00	12.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483177	A	.00	.00	13.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483178	A	.00	.00	15.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483179	A	.00	.00	16.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483172	A	.00	.00	18.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483052	A	.00	.00	20.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
1134447	A	.00	.00	22.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483174	A	.00	.00	24.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
5796338	A	.00	.00	24.00		5.00	5.00	.00	250		CC	281	98	1500	27	0000000
5301518	A	.00	.00	27.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
5301519	A	.00	.00	30.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0549978	A	.00	.00	33.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483224	A	.00	.00	36.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
5301510	A	.00	.00	39.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0483051	A	.00	.00	43.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216421	A	.00	.00	47.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0550051	A	.00	.00	51.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216422	A	.00	.00	56.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216423	A	.00	.00	62.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216424	A	.00	.00	68.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216425	A	.00	.00	75.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0550049	A	.00	.00	82.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216426	A	.00	.00	91.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0595359	A	.00	.00	100.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
5796345	A	.00	.00	100.00		5.00	5.00	.00	250		CC	281	98	1500	27	0000000
0216427	A	.00	.00	110.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216428	A	.00	.00	120.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0217081	A	.00	.00	130.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216429	A	.00	.00	150.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216430	A	.00	.00	160.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216431	A	.00	.00	180.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0492615	A	.00	.00	200.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216432	A	.00	.00	220.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0550050	A	.00	.00	240.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0595358	A	.00	.00	270.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216433	A	.00	.00	300.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216434	A	.00	.00	330.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216435	A	.00	.00	360.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216436	A	.00	.00	390.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216437	A	.00	.00	430.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421

Component Data Bank - P/N Catalog

General Purpose Resistors

PG. 4 06/30/82 23:07 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2359\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0216438	A	.00	.00	470.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216439	A	.00	.00	510.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216440	A	.00	.00	560.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216441	A	.00	.00	620.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216442	A	.00	.00	680.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216443	A	.00	.00	750.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0217082	A	.00	.00	820.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
0216444	A	.00	.00	910.00		5.00	5.00	.00	250		CC	265	98	1500	27	0216421
TOTAL RECORDS		152														

PASSIVE COMPONENTS MANUAL

GENERAL PURPOSE RESISTORS

Component Data Bank - P/N Catalog

DCS CODE

23592 - 1/2 Watt

PG. 1 06/30/82 23:08 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2359\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS TOL		POWER WATTS	PWR MIL-W	IC RES PPM	RES TYPE	BODY	BODY	LEAD	LEAD	TAB
					MILS	MILS					NOM-LGT MILS	MAX-DIA MILS	DRAW NUM.		
0283251	N	1.00	.00	.00	10.00	10.00	.00	500		CC	406	148	1500	35	0000000
0300736	A	1.00	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300737	A	1.00	.00	.00	20.00	20.00	.00	500		CC	406	148	1500	35	0000000
0250840	A	1.10	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0321195	A	1.20	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0334957	A	1.30	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317042	A	1.50	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0335972	A	1.60	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0321272	A	1.80	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0335360	A	2.00	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317273	A	2.20	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0521774	A	2.40	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0098851	A	2.70	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132431	A	3.00	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0309951	A	3.30	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132466	A	3.60	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0356696	A	3.90	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132514	A	4.30	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0471680	A	4.70	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0322334	A	5.10	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0098850	A	5.60	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132590	A	6.20	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132697	A	6.80	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0471764	A	7.50	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132699	A	8.20	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132763	A	9.10	.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0505370	A	22.00	.00	.00	10.00	10.00	.00	500		CC	375	148	1500	35	0000000
0213693	A	.00	1.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317001	A	.00	1.10	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317276	A	.00	1.20	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317429	A	.00	1.30	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317017	A	.00	1.50	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317018	A	.00	1.60	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213714	A	.00	1.80	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317019	A	.00	2.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317020	A	.00	2.20	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0323919	A	.00	2.40	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317021	A	.00	2.70	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0323920	A	.00	3.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213692	A	.00	3.30	.00	5.00	5.00	.00	500		CC	408	148	1500	35	0098850
0334923	A	.00	3.60	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317022	A	.00	3.90	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317023	A	.00	4.30	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0206597	C	.00	4.70	.00	5.00	5.00	.00	500		CC	406	148	1500	43	0000000
0213549	A	.00	4.70	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317024	A	.00	5.10	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317430	A	.00	5.60	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0334914	A	.00	6.20	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

General Purpose Resistors

PG. 2 06/30/82 23:08 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REE1 DCS#N EQ 2359\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0317025	A	.00	6.80	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300720	A	.00	7.50	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317529	A	.00	8.20	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317026	A	.00	9.10	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300721	A	.00	10.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0505056	A	.00	10.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
4430040	C	.00	10.00	.00	5.00	5.00	.00	500		CC	375	140	1500	33	0000000
0317027	A	.00	11.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300722	A	.00	12.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0334959	A	.00	13.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213547	A	.00	15.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317274	A	.00	16.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317028	A	.00	18.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300723	A	.00	20.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0107990	A	.00	22.00	.00	10.00	10.00	.00	500		CC	406	125	1500	36	0000000
0323900	A	.00	22.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213697	A	.00	24.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317362	A	.00	27.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0322820	A	.00	30.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317029	A	.00	33.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213760	A	.00	36.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300724	A	.00	39.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0334919	A	.00	43.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317030	A	.00	47.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300726	A	.00	51.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317275	A	.00	56.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0214123	A	.00	62.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317031	A	.00	68.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0323939	A	.00	75.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300727	A	.00	82.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317032	A	.00	91.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300728	A	.00	100.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317033	A	.00	110.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0321178	A	.00	120.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317034	A	.00	130.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213539	A	.00	150.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317035	A	.00	160.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317036	A	.00	180.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300729	A	.00	200.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317037	A	.00	220.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317277	A	.00	240.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300730	A	.00	270.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317038	A	.00	300.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300731	A	.00	330.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317039	A	.00	360.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300732	A	.00	390.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300716	C	.00	470.00	.00	20.00	20.00	.00	500		CC	406	148	1500	35	0000000
0300733	A	.00	470.00	.00	5.00	5.00	.00	500		CC	406	148	1500	35	0098850

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
General Purpose Resistors

PG. 3 06/30/82 23:08 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2359\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0317040	A	.00	480.00	.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300734	A	.00	510.00	.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213558	A	.00	560.00	.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213557	A	.00	620.00	.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213556	A	.00	680.00	.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317278	A	.00	750.00	.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0300735	A	.00	820.00	.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317041	A	.00	910.00	.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0803053	C	.00	.00	1.30		5.00	5.00	.00	500		CC	406	148	1500	35	0000000
2410189	A	.00	.00	2.00		5.00	5.00	.00	500		CC	416	148	1625	35	0000000
0803055	C	.00	.00	2.70		5.00	5.00	.00	500		CC	625	187	1500	35	0000000
1134442	A	.00	.00	2.70		5.00	5.00	.00	500		CC	396	148	1500	35	0000000
0483313	A	.00	.00	3.30		5.00	5.00	.00	500		CC	406	148	1500	35	0000000
0803056	A	.00	.00	4.30		5.00	5.00	.00	500		CC	625	188	1500	35	0000000
0492692	A	.00	.00	5.10		5.00	5.00	.00	500		CC	396	148	1500	35	0000000
1589009	A	.00	.00	8.20		5.00	5.00	.00	500		CC	375	140	1500	35	0000000
0492693	A	.00	.00	9.10		5.00	5.00	.00	500		CC	406	148	1500	35	0000000
0321271	A	.00	.00	10.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132395	A	.00	.00	11.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132396	A	.00	.00	12.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132397	A	.00	.00	13.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0360046	A	.00	.00	15.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132398	A	.00	.00	16.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0253528	A	.00	.00	18.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0334949	A	.00	.00	20.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317002	A	.00	.00	22.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0492351	A	.00	.00	24.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0454389	A	.00	.00	27.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0322742	A	.00	.00	30.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0491223	A	.00	.00	33.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0492349	A	.00	.00	36.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0491221	A	.00	.00	39.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132399	A	.00	.00	43.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317003	A	.00	.00	47.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0502483	A	.00	.00	51.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0132400	A	.00	.00	56.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0360060	A	.00	.00	62.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0508040	A	.00	.00	68.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0521792	A	.00	.00	75.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317390	A	.00	.00	82.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0334902	A	.00	.00	91.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0213536	A	.00	.00	100.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
4430039	C	.00	.00	100.00		5.00	5.00	.00	500		CC	406	148	1500	35	0000000
0132422	A	.00	.00	110.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317004	A	.00	.00	120.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0509499	A	.00	.00	130.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0322729	A	.00	.00	150.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317005	A	.00	.00	160.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

General Purpose Resistors

PG. 4 06/30/82 23:08 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REE1 DCS#N EQ 2359\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0323918	A	.00	.00	180.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317006	A	.00	.00	200.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317007	A	.00	.00	220.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0333202	A	.00	.00	240.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0356740	A	.00	.00	270.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0360902	A	.00	.00	270.00		5.00	5.00	.00	500		CC	406	148	1500	36	0000000
0317008	A	.00	.00	300.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317428	A	.00	.00	330.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0528937	A	.00	.00	360.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317009	A	.00	.00	390.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317010	A	.00	.00	430.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317011	A	.00	.00	470.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
8493638	C	.00	.00	470.00		5.00	5.00	.00	500		CC	400	148	1500	33	0000000
0317012	A	.00	.00	510.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0322347	A	.00	.00	560.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317013	A	.00	.00	620.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317014	A	.00	.00	680.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317015	A	.00	.00	750.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0317016	A	.00	.00	820.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
0528486	A	.00	.00	910.00		5.00	5.00	.00	500		CC	406	148	1500	35	0098850
TOTAL RECORDS			164													

PASSIVE COMPONENTS MANUAL

GENERAL PURPOSE RESISTORS

Component Data Bank - P/N Catalog

DCS CODE

23593 - 1.0 Watt

PG. 1 06/30/82 23:08 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2359\$ DR/PWR/W EQ 1.0 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS TOL		POWER WATTS	PWR MIL-W	TC RES PPM	RES TYPE	BODY		LEAD		TAB DRAW NUM.
				MILS	MILS					MX-LGTH MILS	MX-DIA MILS	NOM-LGT MILS	MAX-DIA MILS	
0511551 A	1.60	.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0129186 A	15.00	.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0129187 A	20.00	.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
1582655 A	20.00	.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0315971 A	.00	1.00	.00	10.00	10.00	1.00			CC	593	233	1500	43	0103915
0317049 A	.00	1.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334924 A	.00	1.10	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317050 A	.00	1.20	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334928 A	.00	1.30	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317051 A	.00	1.50	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334947 A	.00	1.60	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317052 A	.00	1.80	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317353 A	.00	2.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
8493261 A	.00	2.00	.00	5.00	5.00	1.00		200 FILM	CC	400	148	1500	032	0000000
0317053 A	.00	2.20	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334948 A	.00	2.40	.00	5.00	5.00	1.00		200 FILM	CC	400	148	1500	34	0000000
0317054 A	.00	2.70	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0320661 A	.00	3.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317055 A	.00	3.30	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0320662 A	.00	3.60	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317056 A	.00	3.90	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0322309 A	.00	4.30	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317057 A	.00	4.70	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0301815 A	.00	5.10	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317058 A	.00	5.60	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317059 A	.00	6.20	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0301818 A	.00	6.80	.00	10.00	10.00	1.00			CC	594	233	1500	43	0103915
0317060 A	.00	6.80	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
5615943 A	.00	6.80	.00	5.00	5.00	1.00			CC	593	233	1625	43	0000000
0322706 A	.00	7.50	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317061 A	.00	8.20	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317062 A	.00	9.10	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317063 A	.00	10.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334933 A	.00	11.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317064 A	.00	12.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0502451 A	.00	13.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317434 A	.00	15.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0322752 A	.00	16.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0301823 A	.00	18.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0301824 A	.00	20.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0301825 A	.00	22.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334972 A	.00	24.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317065 A	.00	27.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0338143 A	.00	30.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317066 A	.00	33.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0320619 A	.00	36.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0322753 A	.00	39.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334953 A	.00	43.00	.00	5.00	5.00	1.00			CC	593	233	1500	43	0103915

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

General Purpose Resistors

PG. 2 06/30/82 23:08 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2359\$ DR/PWR/W EQ 1.0 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0323989	A	.00	47.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334971	A	.00	51.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0326886	A	.00	56.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334934	A	.00	62.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317067	A	.00	68.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0322707	A	.00	75.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0322774	A	.00	82.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334920	A	.00	91.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317068	A	.00	100.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317069	A	.00	110.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317070	A	.00	120.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317071	A	.00	130.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317072	A	.00	150.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
8493184	A	.00	150.00	.00		5.00	5.00	1.00		200 FILM	CC	400	148	1500	34	0000000
0317073	A	.00	160.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317074	A	.00	180.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317075	A	.00	200.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317047	A	.00	220.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317076	A	.00	240.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0323902	A	.00	270.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132808	A	.00	300.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0502478	A	.00	330.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132809	A	.00	360.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132810	A	.00	390.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334946	A	.00	430.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132812	A	.00	510.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0301834	A	.00	560.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0182746	A	.00	570.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334952	A	.00	620.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132813	A	.00	680.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132867	A	.00	750.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132869	A	.00	820.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0503499	A	.00	910.00	.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0335322	A	.00	.00	2.70		5.00	5.00	1.00			CC	593	233	1500	43	0103915
4429699	A	.00	.00	2.70		5.00	5.00	1.00			CC	593	233	1500	43	0000000
0725745	A	.00	.00	3.30		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0360044	A	.00	.00	5.10		5.00	5.00	1.00			CC	593	233	1500	43	0103915
8519109	A	.00	.00	5.10		5.00	5.00	1.00		200 FILM	CC	400	148	1500	34	0000000
0492377	A	.00	.00	5.60		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0483073	A	.00	.00	7.50		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0725746	A	.00	.00	8.20		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0508341	A	.00	.00	10.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0491314	A	.00	.00	11.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0504692	A	.00	.00	12.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132765	A	.00	.00	13.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132766	A	.00	.00	15.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132767	A	.00	.00	16.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132768	A	.00	.00	18.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

General Purpose Resistors

PG. 3 06/30/82 23:08 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2359\$ DR/PWR/W EQ 1.0 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0132769	A	.00	.00	20.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334986	A	.00	.00	22.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132771	A	.00	.00	24.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0491278	A	.00	.00	27.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0509507	A	.00	.00	30.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0335686	A	.00	.00	33.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132772	A	.00	.00	36.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132773	A	.00	.00	39.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132777	A	.00	.00	43.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0322777	A	.00	.00	47.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0355683	A	.00	.00	51.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
8493256	A	.00	.00	51.00		5.00	5.00	1.00		200	FILM	400	148	1500	032	0000000
0358795	A	.00	.00	56.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132778	A	.00	.00	62.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
8493832	A	.00	.00	62.00		5.00	5.00	1.00			CC	593	233	1500	43	0000000
0491237	A	.00	.00	68.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132779	A	.00	.00	75.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317046	A	.00	.00	82.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132783	A	.00	.00	91.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0335131	A	.00	.00	100.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
2396969	C	.00	.00	100.00		5.00	5.00	1.00			CC	593	233	1500	43	0000000
0335012	A	.00	.00	110.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
8519258	A	.00	.00	110.00		5.00	5.00	1.00		200	FILM	400	148	1500	34	0000000
0132784	A	.00	.00	120.00		5.00	5.00	1.00			FILM	400	148	1500	34	0000000
0334930	A	.00	.00	130.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0320880	A	.00	.00	150.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
8493259	A	.00	.00	150.00		5.00	5.00	1.00		200	FILM	400	148	1500	032	0000000
0310298	A	.00	.00	160.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0334987	A	.00	.00	180.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0512400	A	.00	.00	200.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0321196	A	.00	.00	220.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
8493260	A	.00	.00	220.00		5.00	5.00	1.00		200	FILM	400	148	1500	032	0000000
0335017	A	.00	.00	240.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132786	A	.00	.00	270.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0492376	A	.00	.00	300.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
5617176	A	.00	.00	300.00		5.00	5.00	1.00		200	FILM	400	148	1500	34	0000000
0321200	A	.00	.00	330.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0502479	A	.00	.00	360.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0335019	A	.00	.00	390.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0132807	A	.00	.00	430.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0301804	A	.00	.00	470.00		10.00	10.00	1.00			CC	594	233	1500	43	0103915
0317432	A	.00	.00	470.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0103915	A	.00	.00	510.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317433	A	.00	.00	560.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0335050	A	.00	.00	620.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0317048	A	.00	.00	680.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0438266	A	.00	.00	750.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0358827	A	.00	.00	820.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
0492353	A	.00	.00	910.00		5.00	5.00	1.00			CC	593	233	1500	43	0103915
TOTAL RECORDS																145

E45-0359 Rev. 2

IBM Internal Use Only

2-60

September 15, 1982

PASSIVE COMPONENTS MANUAL

GENERAL PURPOSE RESISTORS

Component Data Bank - P/N Catalog

DCS CODE

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23594 - 2.0 Watt

PG. 1 06/30/82 23:09 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 23599 DR/PWR/W EQ 2.0 DR/PARI NO/LIMIT.

PART NUMBER	U RESIST	RESIS K-OHM	RES. OHMS	RESIS TOL	RESIS TOL	POWER WATTS	PWR MIL-W	TC RES PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0317082 A	.00	1.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0492568 A	.00	1.10	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317083 A	.00	1.20	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0216993 A	.00	1.30	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317084 A	.00	1.50	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0216994 A	.00	1.60	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317085 A	.00	1.80	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317350 A	.00	2.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317086 A	.00	2.20	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0359514 A	.00	2.40	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317087 A	.00	2.70	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317088 A	.00	3.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317089 A	.00	3.30	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0320660 A	.00	3.60	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317090 A	.00	3.90	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0320658 A	.00	4.30	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317091 A	.00	4.70	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0322704 A	.00	5.10	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317092 A	.00	5.60	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0250841 A	.00	6.20	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317093 A	.00	6.80	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0326998 A	.00	7.50	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317094 A	.00	8.20	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317095 A	.00	9.10	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317096 A	.00	10.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
1127060 A	.00	11.00	.00	5.00	5.00	2.00			CC	619	320	1500	48	0216791
0317097 A	.00	12.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0510597 A	.00	13.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317098 A	.00	15.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0521775 A	.00	16.00	.00	5.00	5.00	2.00			CC	619	320	1500	48	0216791
0322731 A	.00	18.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317783 A	.00	20.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317099 A	.00	22.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0334963 A	.00	24.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0322332 A	.00	27.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317100 A	.00	30.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317101 A	.00	33.00	.00	5.00	5.00	2.00			CC	619	320	1500	48	0216791
2101690 A	.00	36.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0322701 A	.00	39.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0320663 A	.00	43.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317272 A	.00	47.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0301829 A	.00	51.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0505290 A	.00	56.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0320656 A	.00	62.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317102 A	.00	68.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0301830 A	.00	75.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317103 A	.00	82.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791
0317104 A	.00	91.00	.00	5.00	5.00	2.00			CC	719	320	1500	48	0216791

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

General Purpose Resistors

PG. 2 06/30/82 23:09 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2359\$ DR/PWR/W EQ 2.0 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0317105	A	.00	100.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0317106	A	.00	110.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0317107	A	.00	120.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
2102315	A	.00	130.00	.00	5.00	5.00	2.00				CC	619	320	1500	48	0216791
0322738	A	.00	150.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216995	A	.00	160.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0338351	A	.00	180.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0472575	A	.00	200.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0512666	A	.00	220.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216996	A	.00	240.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216997	A	.00	270.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216998	A	.00	300.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0502174	A	.00	330.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216999	A	.00	360.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0217000	A	.00	390.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0217001	A	.00	430.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0217002	A	.00	470.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0217003	A	.00	510.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0440536	A	.00	560.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0217004	A	.00	620.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0217007	A	.00	680.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0217009	A	.00	750.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0217011	A	.00	820.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0217014	A	.00	910.00	.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0317077	A	.00	.00	10.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216791	A	.00	.00	11.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216792	A	.00	.00	12.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216793	A	.00	.00	13.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0356235	A	.00	.00	15.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216794	A	.00	.00	16.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216795	A	.00	.00	18.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216796	A	.00	.00	20.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0321269	A	.00	.00	22.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216797	A	.00	.00	24.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216798	A	.00	.00	27.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216799	A	.00	.00	30.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216900	A	.00	.00	33.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216977	A	.00	.00	36.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0483124	A	.00	.00	37.40	1.00	1.00	2.00			100 FILM		2254	415	1500	35	0000000
0334927	A	.00	.00	39.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0334900	A	.00	.00	43.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0335329	A	.00	.00	47.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0472580	A	.00	.00	51.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216981	A	.00	.00	56.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216984	A	.00	.00	62.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216985	A	.00	.00	68.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216986	A	.00	.00	75.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791
0216987	A	.00	.00	82.00	5.00	5.00	2.00				CC	719	320	1500	48	0216791

E45-0359 Rev. 2

IBM Internal Use Only

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

General Purpose Resistors

PG.	3	06/30/82	23:09	UR0206	***	IBM INTERNAL USE ***	COMPONENT DATA BANK INTERNAL USE ONLY											
CALL REEL	DCS#N	EQ	2359\$	DR/PWR/W	EQ	2.0	DR/PARI	NO/LIMIT.										
PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.		
0216988	A	.00	.00	91.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0322888	A	.00	.00	100.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0216989	A	.00	.00	110.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0317078	A	.00	.00	120.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0492448	A	.00	.00	130.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0317079	A	.00	.00	150.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0216991	A	.00	.00	160.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0320610	A	.00	.00	180.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0335138	A	.00	.00	200.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0322911	A	.00	.00	220.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0301881	A	.00	.00	240.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0513799	A	.00	.00	270.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0334931	A	.00	.00	300.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0317080	A	.00	.00	330.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0216992	A	.00	.00	360.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0335132	A	.00	.00	390.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0512111	A	.00	.00	390.00		3.00	3.00	2.00			CC	719	320	1500	44	0000000		
0492644	A	.00	.00	430.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0320655	A	.00	.00	470.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0472579	A	.00	.00	510.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0332585	A	.00	.00	560.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0509638	A	.00	.00	620.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0335328	A	.00	.00	680.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0322333	A	.00	.00	750.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0317081	A	.00	.00	820.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
0502475	A	.00	.00	910.00		5.00	5.00	2.00			CC	719	320	1500	48	0216791		
TOTAL RECORDS				122														

E45-0359 Rev. 2

IBM Internal Use Only

2-63
September 15, 1982

PASSIVE COMPONENTS MANUAL

FILM RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

23534 - 1/10 Watt Precision

PG. 1 06/30/82 23:09 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REE1 DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
8519483	A	2.79	.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0000000	
8842163	A	.00	1.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218781	A	.00	1.00	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
5213034	C	.00	1.00	.00	1.00	1.00	.00	100	50	FILM	281	98	1625	27	0000000	
5615591	A	.00	1.00	.00	.10	.10	.00	100	15	FILM	291	112	1625	28	0000000	
8493473	A	.00	1.00	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472	
8519603	A	.00	1.00	.00	.05	.05	.00	100	15	FILM	286	102	1500	28	5615801	
0842164	A	.00	1.02	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842165	A	.00	1.05	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842166	A	.00	1.07	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842167	A	.00	1.10	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842168	A	.00	1.13	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842169	A	.00	1.15	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842170	A	.00	1.18	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
8493474	A	.00	1.19	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472	
0814073	A	.00	1.21	.00	1.00	1.00	.00	100	25	FILM	265	98	1500	27	0000000	
0842171	A	.00	1.21	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218777	A	.00	1.21	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0813222	A	.00	1.23	.00	1.00	1.00	.00	100	50	FILM	265	98	1500	27	0000000	
0842172	A	.00	1.24	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842173	A	.00	1.27	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842174	A	.00	1.30	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218782	A	.00	1.30	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0842175	A	.00	1.33	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842176	A	.00	1.37	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842177	A	.00	1.40	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218780	A	.00	1.40	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0842178	A	.00	1.43	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842179	A	.00	1.47	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842180	A	.00	1.50	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
4481394	A	.00	1.50	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0842181	A	.00	1.54	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842182	A	.00	1.58	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
8493475	A	.00	1.60	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472	
0842183	A	.00	1.62	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842184	A	.00	1.65	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842185	A	.00	1.69	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842186	A	.00	1.74	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842187	A	.00	1.78	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842188	A	.00	1.82	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842189	A	.00	1.87	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842190	A	.00	1.91	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842191	A	.00	1.96	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842192	A	.00	2.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842193	A	.00	2.05	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842194	A	.00	2.10	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842195	A	.00	2.15	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842196	A	.00	2.21	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 2 06/30/82 23:09 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0842197	A	.00	2.26	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842198	A	.00	2.32	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842199	A	.00	2.37	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842200	A	.00	2.43	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842201	A	.00	2.49	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8519604	A	.00	2.50	.00	.05	.05	.00	100	15	FILM	286	102	1500	28	5615801
0842202	A	.00	2.55	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4481395	A	.00	2.55	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842203	A	.00	2.61	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842204	A	.00	2.67	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842205	A	.00	2.74	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842206	A	.00	2.80	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493602	A	.00	2.80	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
0842207	A	.00	2.87	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842208	A	.00	2.94	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842209	A	.00	3.01	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218770	A	.00	3.01	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842210	A	.00	3.09	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842211	A	.00	3.16	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842212	A	.00	3.24	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218774	A	.00	3.24	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842213	A	.00	3.32	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218788	A	.00	3.32	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842214	A	.00	3.40	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218767	A	.00	3.40	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842215	A	.00	3.48	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842216	A	.00	3.57	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4481396	A	.00	3.57	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842217	A	.00	3.65	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842218	A	.00	3.74	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842219	A	.00	3.83	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493603	A	.00	3.90	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
0842220	A	.00	3.92	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842221	A	.00	4.02	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493476	A	.00	4.02	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472
0842222	A	.00	4.12	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842223	A	.00	4.22	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842224	A	.00	4.32	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842225	A	.00	4.42	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
5213028	C	.00	4.42	.00	1.00	1.00	.00	100	50	FILM	281	98	1250	27	0000000
0842226	A	.00	4.53	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842227	A	.00	4.64	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842228	A	.00	4.75	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842229	A	.00	4.87	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842230	A	.00	4.99	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493604	A	.00	5.00	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
8519605	A	.00	5.00	.00	.05	.05	.00	100	15	FILM	286	102	1500	28	5615801
0842231	A	.00	5.11	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 3 06/30/82 23:09 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DC5#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
4430049	A	.00	5.11	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
5213035	C	.00	5.11	.00	1.00	1.00	.00	100	50	FILM	281	98	1625	27	0000000	
0842232	A	.00	5.23	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842233	A	.00	5.36	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842234	A	.00	5.49	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842235	A	.00	5.62	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
8493605	A	.00	5.71	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602	
0842236	A	.00	5.76	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842237	A	.00	5.90	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842238	A	.00	6.04	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
8493606	A	.00	6.06	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602	
0842239	A	.00	6.19	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
5213025	C	.00	6.19	.00	1.00	1.00	.00	100	50	FILM	281	98	1250	27	0000000	
0842240	A	.00	6.34	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842241	A	.00	6.49	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842242	A	.00	6.65	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842243	A	.00	6.81	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
8493607	A	.00	6.89	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602	
0842244	A	.00	6.98	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842245	A	.00	7.15	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218766	A	.00	7.15	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0842246	A	.00	7.32	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842247	A	.00	7.50	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218769	A	.00	7.50	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
8493608	A	.00	7.51	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602	
0842248	A	.00	7.68	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
4481397	A	.00	7.68	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0842249	A	.00	7.87	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842250	A	.00	8.06	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
8493609	A	.00	8.16	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602	
0842251	A	.00	8.25	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842252	A	.00	8.45	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
4481915	A	.00	8.45	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0842253	A	.00	8.66	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842254	A	.00	8.87	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842255	A	.00	9.09	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218771	A	.00	9.09	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0842256	A	.00	9.31	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
8493610	A	.00	9.50	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602	
0842257	A	.00	9.53	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
4429924	A	.00	9.68	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0842258	A	.00	9.76	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842259	A	.00	10.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
4429618	A	.00	10.00	.00	.10	.10	.00	100	15	FILM	286	102	1500	28	4429611	
8493477	A	.00	10.00	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472	
0842260	A	.00	10.20	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
5213027	C	.00	10.20	.00	1.00	1.00	.00	100	50	FILM	281	98	1250	27	0000000	
0842261	A	.00	10.50	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	

E45-0359 Rev. 2

IBM Internal Use Only

2-66

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 4 06/30/82 23:09 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY		LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
											MX-LGTH MILS	BODY MX-DIA MILS			
0842262	A	.00	10.70	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842263	A	.00	11.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218720	A	.00	11.00	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842264	A	.00	11.30	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493611	A	.00	11.42	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
0842265	A	.00	11.50	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4481916	A	.00	11.50	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842266	A	.00	11.80	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842267	A	.00	12.10	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
5213029	C	.00	12.10	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842268	A	.00	12.40	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842269	A	.00	12.70	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4430050	A	.00	12.70	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
8493478	A	.00	12.78	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472
0842270	A	.00	13.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493612	A	.00	13.19	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
0842271	A	.00	13.30	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4481398	A	.00	13.30	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
8493479	A	.00	13.33	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472
8493613	A	.00	13.55	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
0842272	A	.00	13.70	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842273	A	.00	14.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842274	A	.00	14.30	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842275	A	.00	14.70	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493480	A	.00	14.85	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472
0842276	A	.00	15.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493481	A	.00	15.39	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472
0842277	A	.00	15.40	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842278	A	.00	15.80	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842279	A	.00	16.20	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493614	A	.00	16.26	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
4429619	A	.00	16.27	.00	.10	.10	.00	100	15	FILM	286	102	1500	28	4429611
5615801	A	.00	16.47	.00	.05	.05	.00	100	15	FILM	281	102	1625	28	5615801
0842280	A	.00	16.50	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4429620	A	.00	16.67	.00	.10	.10	.00	100	15	FILM	286	102	1500	28	4429611
0842281	A	.00	16.90	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
5615805	A	.00	17.00	.00	.05	.05	.00	100	15	FILM	281	102	1625	28	5615801
0842282	A	.00	17.40	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4481399	A	.00	17.40	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842283	A	.00	17.80	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842284	A	.00	18.20	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842285	A	.00	18.70	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493615	A	.00	19.04	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
0813223	A	.00	19.10	.00	1.00	1.00	.00	100	50	FILM	265	98	1500	27	0000000
0842286	A	.00	19.10	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842287	A	.00	19.60	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842288	A	.00	20.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842289	A	.00	20.50	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 5 06/30/82 23:09 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0842290	A	.00	21.00	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
8493616	A	.00	21.05	.00	.01	.01	.00	.00	100	5	FILM	286	102	1500	28	8493602
5616229	A	.00	21.50	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
8493482	A	.00	21.67	.00	.01	.01	.00	.00	100	5	FILM	286	102	1500	28	8493472
0842291	A	.00	22.10	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
8493483	A	.00	22.22	.00	.01	.01	.00	.00	100	5	FILM	286	102	1500	28	8493472
0842292	A	.00	22.60	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
0842293	A	.00	23.20	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
0842294	A	.00	23.70	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
4429759	A	.00	23.70	.00	1.00	1.00	.00	.00	100	100	FILM	265	98	1500	27	2218720
0842295	A	.00	24.30	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
0842296	A	.00	24.90	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
0842297	A	.00	25.50	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
2218768	A	.00	25.50	.00	1.00	1.00	.00	.00	100	100	FILM	265	98	1500	27	2218720
8493617	A	.00	25.97	.00	.01	.01	.00	.00	100	5	FILM	286	102	1500	28	8493602
0842298	A	.00	26.10	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
2218784	A	.00	26.10	.00	1.00	1.00	.00	.00	100	100	FILM	265	98	1500	27	2218720
5615802	A	.00	26.65	.00	.05	.05	.00	.00	100	15	FILM	281	102	1625	28	5615801
0842299	A	.00	26.70	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
8493163	A	.00	27.38	.00	.10	.10	.00	.00	100	15	FILM	286	102	1500	28	4429611
0842300	A	.00	27.40	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
4429613	A	.00	27.74	.00	.10	.10	.00	.00	100	15	FILM	286	102	1500	28	4429611
4429614	A	.00	27.78	.00	.10	.10	.00	.00	100	15	FILM	286	102	1500	28	4429611
0842301	A	.00	28.00	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
2218765	A	.00	28.00	.00	1.00	1.00	.00	.00	100	100	FILM	265	98	1500	27	2218720
0842302	A	.00	28.70	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
0842303	A	.00	29.40	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
5615797	A	.00	29.50	.00	.02	.02	.00	.00	100	10	FILM	281	102	1625	28	5615796
8493484	A	.00	29.75	.00	.01	.01	.00	.00	100	5	FILM	286	102	1500	28	8493472
0842304	A	.00	30.10	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
8493485	A	.00	30.30	.00	.01	.01	.00	.00	100	5	FILM	286	102	1500	28	8493472
0842305	A	.00	30.90	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
5615799	A	.00	31.00	.00	.02	.02	.00	.00	100	10	FILM	281	102	1625	28	5615796
5615800	A	.00	31.50	.00	.02	.02	.00	.00	100	10	FILM	281	102	1625	28	5615796
0842306	A	.00	31.60	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
5615798	A	.00	32.00	.00	.02	.02	.00	.00	100	10	FILM	281	102	1625	28	5615796
0842307	A	.00	32.40	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
4481400	A	.00	32.40	.00	1.00	1.00	.00	.00	100	100	FILM	265	98	1500	27	2218720
0842308	A	.00	33.20	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
5615796	A	.00	33.50	.00	.02	.02	.00	.00	100	10	FILM	281	102	1625	28	5615796
5615803	A	.00	33.85	.00	.05	.05	.00	.00	100	15	FILM	281	102	1625	28	5615801
0842309	A	.00	34.00	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
2218783	A	.00	34.00	.00	1.00	1.00	.00	.00	100	100	FILM	265	98	1500	27	2218720
0842310	A	.00	34.80	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
2218795	A	.00	34.80	.00	1.00	1.00	.00	.00	100	100	FILM	265	98	1500	27	2218720
0842311	A	.00	35.70	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
0842312	A	.00	36.50	.00	1.00	1.00	.00	.00	100	50	FILM	270	125	1500	27	0842000
2218787	A	.00	36.50	.00	1.00	1.00	.00	.00	100	100	FILM	265	98	1500	27	2218720

E45-0359 Rev. 2

IBM Internal Use Only

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Film Resistors

PG. 6 06/30/82 23:09 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0842313	A	.00	37.40	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218786	A	.00	37.40	.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
8493618	A	.00	38.09	.00		.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
0842314	A	.00	38.30	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842315	A	.00	39.20	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842316	A	.00	40.20	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842317	A	.00	41.20	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493619	A	.00	41.27	.00		.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
0842318	A	.00	42.20	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842319	A	.00	43.20	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493486	A	.00	43.90	.00		.01	.01	.00	100	5	FILM	286	102	1500	28	8493472
0842320	A	.00	44.20	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493487	A	.00	44.44	.00		.01	.01	.00	100	5	FILM	286	102	1500	28	8493472
0842321	A	.00	45.30	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842322	A	.00	46.40	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842323	A	.00	47.50	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842324	A	.00	48.70	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842325	A	.00	49.90	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
5615804	A	.00	50.00	.00		.05	.05	.00	100	15	FILM	281	102	1625	28	5615801
0842326	A	.00	51.10	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
5213030	C	.00	51.10	.00		1.00	1.00	.00	100	50	FILM	281	98	1250	27	0000000
0842327	A	.00	52.30	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842328	A	.00	53.60	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842329	A	.00	54.90	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842330	A	.00	56.20	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842331	A	.00	57.60	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842332	A	.00	59.00	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842333	A	.00	60.40	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4481401	A	.00	60.40	.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842334	A	.00	61.90	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842335	A	.00	63.40	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842336	A	.00	64.90	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842337	A	.00	66.50	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842338	A	.00	68.10	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842339	A	.00	69.80	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4481917	A	.00	69.80	.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842340	A	.00	71.50	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842341	A	.00	73.20	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842342	A	.00	75.00	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842343	A	.00	76.80	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842344	A	.00	78.70	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493620	A	.00	80.01	.00		.01	.01	.00	100	5	FILM	286	102	1500	28	8493602
0842345	A	.00	80.60	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842346	A	.00	82.50	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842347	A	.00	84.50	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842348	A	.00	86.60	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842349	A	.00	88.70	.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218775	A	.00	88.70	.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

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 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	T U C MEGOHM	RESIST K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0842350	A	.00	90.90	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493488	A	.00	90.90	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	8493472
0842351	A	.00	93.10	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842352	A	.00	95.30	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842353	A	.00	97.60	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842354	A	.00	100.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8519609	C	.00	100.00	.00	.01	.01	.00	100	5	FILM	286	102	1500	28	0000000
0842355	A	.00	102.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842356	A	.00	105.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842357	A	.00	107.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842358	A	.00	110.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842359	A	.00	113.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842360	A	.00	115.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842361	A	.00	118.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842362	A	.00	121.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842363	A	.00	124.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4429612	A	.00	125.00	.00	.10	.10	.00	100	15	FILM	286	102	1500	28	4429611
0842364	A	.00	127.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842365	A	.00	130.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842366	A	.00	133.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842367	A	.00	137.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842368	A	.00	140.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842369	A	.00	143.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842370	A	.00	147.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2391601	A	.00	147.00	.00	.50	.50	.00	100	25	FILM	260	115	1500	27	0000000
0842371	A	.00	150.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842372	A	.00	154.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842373	A	.00	158.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842374	A	.00	162.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842375	A	.00	165.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842376	A	.00	169.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842377	A	.00	174.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842378	A	.00	178.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493637	A	.00	181.81	.00	.02	.02	.00	100	5	FILM	286	102	1500	28	0000000
0842379	A	.00	182.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842380	A	.00	187.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842381	A	.00	191.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842382	A	.00	196.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842383	A	.00	200.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842384	A	.00	205.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842385	A	.00	210.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842386	A	.00	215.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842387	A	.00	221.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842388	A	.00	226.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842389	A	.00	232.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842390	A	.00	237.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842391	A	.00	243.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842392	A	.00	249.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000

E45-0359 Rev. 2

IBM Internal Use Only

2-70

September 15, 1982

PASSIVE COMPONENTS MANUAL

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Film Resistors

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 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	T C	U MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0842393	A	.00	255.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842394	A	.00	261.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842395	A	.00	267.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842396	A	.00	274.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842397	A	.00	280.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842398	A	.00	287.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842399	A	.00	294.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
4481402	A	.00	294.00	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
0842400	A	.00	301.00	.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
4481403	A	.00	301.00	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720	
8519571	A	.00	453.00	.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	0000000	
0814074	A	.00	.00	13.30	1.00	1.00	.00	100	100	FILM	250	5065	1000	18	0000000	
0814311	A	.00	.00	16.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0000000	
0842000	A	.00	.00	20.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842001	A	.00	.00	20.50	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842002	A	.00	.00	21.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842003	A	.00	.00	21.50	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842004	A	.00	.00	22.10	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842005	A	.00	.00	22.60	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842006	A	.00	.00	23.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842007	A	.00	.00	23.70	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842008	A	.00	.00	24.30	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842009	A	.00	.00	24.90	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842010	A	.00	.00	25.50	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842011	A	.00	.00	26.10	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842012	A	.00	.00	26.70	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842013	A	.00	.00	27.40	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842014	A	.00	.00	28.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842015	A	.00	.00	28.70	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842016	A	.00	.00	29.40	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842017	A	.00	.00	30.10	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842018	A	.00	.00	30.90	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842019	A	.00	.00	31.60	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842020	A	.00	.00	32.40	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842021	A	.00	.00	33.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842022	A	.00	.00	34.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842023	A	.00	.00	34.80	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842024	A	.00	.00	35.70	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842025	A	.00	.00	36.50	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842026	A	.00	.00	37.40	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842027	A	.00	.00	38.30	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842028	A	.00	.00	39.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842029	A	.00	.00	40.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842030	A	.00	.00	41.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842031	A	.00	.00	42.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842032	A	.00	.00	43.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842033	A	.00	.00	44.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842034	A	.00	.00	45.30	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	

E45-0359 Rev. 2

IBM Internal Use Only 2-71

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Film Resistors

PG. 9 06/30/82 23:09 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0842035	A	.00	.00	46.40	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842036	A	.00	.00	47.50	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842037	A	.00	.00	48.70	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842038	A	.00	.00	49.90	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842039	A	.00	.00	51.10	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842040	A	.00	.00	52.30	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842041	A	.00	.00	53.60	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842042	A	.00	.00	54.90	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842043	A	.00	.00	56.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842044	A	.00	.00	57.60	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842045	A	.00	.00	59.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842046	A	.00	.00	60.40	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842047	A	.00	.00	61.90	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842048	A	.00	.00	63.40	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842049	A	.00	.00	64.90	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842050	A	.00	.00	66.50	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842051	A	.00	.00	68.10	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842052	A	.00	.00	69.80	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218790	A	.00	.00	69.80	1.00	1.00	.00	100	100	FILM	265	98	1500	26	2218720	
0842053	A	.00	.00	71.50	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842054	A	.00	.00	73.20	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842055	A	.00	.00	75.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842056	A	.00	.00	76.80	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842057	A	.00	.00	78.70	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842058	A	.00	.00	80.60	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218789	A	.00	.00	80.60	1.00	1.00	.00	100	100	FILM	265	98	1500	26	2218720	
0842059	A	.00	.00	82.50	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842060	A	.00	.00	84.50	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842061	A	.00	.00	86.60	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842062	A	.00	.00	88.70	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842063	A	.00	.00	90.90	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842064	A	.00	.00	93.10	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842065	A	.00	.00	95.30	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842066	A	.00	.00	97.60	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842067	A	.00	.00	100.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
2218791	A	.00	.00	100.00	1.00	1.00	.00	100	100	FILM	265	98	1500	26	2218720	
0842068	A	.00	.00	102.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842069	A	.00	.00	105.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842070	A	.00	.00	107.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842071	A	.00	.00	110.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
8493641	C	.00	.00	110.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	0000000	
0842072	A	.00	.00	113.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842073	A	.00	.00	115.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842074	A	.00	.00	118.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842075	A	.00	.00	121.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842076	A	.00	.00	124.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842077	A	.00	.00	127.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	
0842078	A	.00	.00	130.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000	

E45-0359 Rev. 2

IBM Internal Use Only

2-72
September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

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 CALL REE1 DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0842079	A	.00	.00	133.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842080	A	.00	.00	137.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842081	A	.00	.00	140.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842082	A	.00	.00	143.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4481392	A	.00	.00	143.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842083	A	.00	.00	147.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842084	A	.00	.00	150.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842085	A	.00	.00	154.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842086	A	.00	.00	158.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842087	A	.00	.00	162.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842088	A	.00	.00	165.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842089	A	.00	.00	169.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842090	A	.00	.00	174.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842091	A	.00	.00	178.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842092	A	.00	.00	182.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842093	A	.00	.00	187.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842094	A	.00	.00	191.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842095	A	.00	.00	196.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842096	A	.00	.00	200.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218785	A	.00	.00	200.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842097	A	.00	.00	205.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842098	A	.00	.00	210.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842099	A	.00	.00	215.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842100	A	.00	.00	221.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842101	A	.00	.00	226.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842102	A	.00	.00	232.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842103	A	.00	.00	237.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842104	A	.00	.00	243.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842105	A	.00	.00	249.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842106	A	.00	.00	255.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842107	A	.00	.00	261.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842108	A	.00	.00	267.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842109	A	.00	.00	274.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842110	A	.00	.00	280.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842111	A	.00	.00	287.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842112	A	.00	.00	294.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842113	A	.00	.00	301.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842114	A	.00	.00	309.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842115	A	.00	.00	316.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842116	A	.00	.00	324.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8272142	A	.00	.00	324.00	1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842117	A	.00	.00	332.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842118	A	.00	.00	340.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842119	A	.00	.00	348.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842120	A	.00	.00	357.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842121	A	.00	.00	365.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842122	A	.00	.00	374.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842123	A	.00	.00	383.00	1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000

PASSIVE COMPONENTS MANUAL

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 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 100 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
8272143 A	.00	.00	383.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842124 A	.00	.00	392.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842125 A	.00	.00	402.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8272144 A	.00	.00	402.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842126 A	.00	.00	412.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842127 A	.00	.00	422.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842128 A	.00	.00	432.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842129 A	.00	.00	442.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842130 A	.00	.00	453.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842131 A	.00	.00	464.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842132 A	.00	.00	475.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842133 A	.00	.00	487.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842134 A	.00	.00	499.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842135 A	.00	.00	511.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842136 A	.00	.00	523.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842137 A	.00	.00	536.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842138 A	.00	.00	549.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842139 A	.00	.00	562.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842140 A	.00	.00	576.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0814071 A	.00	.00	590.00		1.00	1.00	.00	100	25	FILM	265	98	1500	27	0000000
0842141 A	.00	.00	590.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842142 A	.00	.00	604.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842143 A	.00	.00	619.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8272145 A	.00	.00	619.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842144 A	.00	.00	634.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4481393 A	.00	.00	634.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842145 A	.00	.00	649.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842146 A	.00	.00	665.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0814072 A	.00	.00	681.00		1.00	1.00	.00	100	10	FILM	265	98	1500	27	0000000
0842147 A	.00	.00	681.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218759 A	.00	.00	681.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
4429617 A	.00	.00	694.00		.10	.10	.00	100	15	FILM	286	102	1500	28	4429611
0842148 A	.00	.00	698.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842149 A	.00	.00	715.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842150 A	.00	.00	732.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842151 A	.00	.00	750.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
2218779 A	.00	.00	750.00		1.00	1.00	.00	100	100	FILM	265	98	1500	27	2218720
0842152 A	.00	.00	768.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842153 A	.00	.00	787.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842154 A	.00	.00	806.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842155 A	.00	.00	825.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842156 A	.00	.00	845.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842157 A	.00	.00	866.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842158 A	.00	.00	887.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842159 A	.00	.00	909.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
4429611 A	.00	.00	918.67		.10	.10	.00	100	15	FILM	286	102	1500	28	4429611
4429616 A	.00	.00	919.48		.10	.10	.00	100	15	FILM	286	102	1500	28	4429611
0842160 A	.00	.00	931.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842161 A	.00	.00	953.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
0842162 A	.00	.00	976.00		1.00	1.00	.00	100	50	FILM	270	125	1500	27	0842000
8493472 A	.00	.00	976.00		.01	.01	.00	100	5	FILM	286	102	1500	28	8493472
TOTAL RECORDS	531														

E45-0359 Rev. 2

IBM Internal Use Only

2-74

September 15, 1982

PASSIVE COMPONENTS MANUAL

FILM RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

23531 - 1/8 Watt Precision

PG. 1 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REE1 DCS#N EQ 2353\$ DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0483446	A	.00	1.00	.00		.50	.50	.00	125	50	FILM	410	140	1500	28	0000000
0550020	A	.00	1.00	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479103	A	.00	1.02	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550021	A	.00	1.05	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479104	A	.00	1.07	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550092	A	.00	1.10	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479105	A	.00	1.13	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479106	A	.00	1.15	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479107	A	.00	1.18	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491286	A	.00	1.21	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479108	A	.00	1.24	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479109	A	.00	1.27	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550093	A	.00	1.30	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479110	A	.00	1.33	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479111	A	.00	1.37	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491241	A	.00	1.40	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479112	A	.00	1.43	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550032	A	.00	1.47	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550038	A	.00	1.50	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
5213409	A	.00	1.50	.00		1.00	1.00	.00	125	100	FILM	281	140	1625	28	0000000
0479113	A	.00	1.54	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479114	A	.00	1.58	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491276	A	.00	1.62	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479115	A	.00	1.65	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491230	A	.00	1.69	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492385	A	.00	1.74	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492493	A	.00	1.78	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491242	A	.00	1.82	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492490	A	.00	1.87	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550022	A	.00	1.91	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492368	A	.00	1.96	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491212	A	.00	2.00	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
5213410	A	.00	2.00	.00		1.00	1.00	.00	125	100	FILM	281	140	1500	27	0000000
0550084	A	.00	2.05	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491211	A	.00	2.10	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492363	A	.00	2.15	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492494	A	.00	2.21	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479119	A	.00	2.26	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479120	A	.00	2.32	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550042	A	.00	2.37	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0528918	A	.00	2.43	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492419	A	.00	2.49	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479121	A	.00	2.55	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479122	A	.00	2.61	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479123	A	.00	2.67	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492491	A	.00	2.74	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479125	A	.00	2.80	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479126	A	.00	2.87	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Film Resistors

PG. 2 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 125 DR/PAR1 NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0479127	A	.00	2.94	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479128	A	.00	3.01	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0491243	A	.00	3.09	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479129	A	.00	3.16	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479130	A	.00	3.24	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0528921	A	.00	3.32	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0492369	A	.00	3.40	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479131	A	.00	3.48	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479132	A	.00	3.57	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0491244	A	.00	3.65	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479133	A	.00	3.74	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479134	A	.00	3.83	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0491277	A	.00	3.92	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479135	A	.00	4.02	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0550036	A	.00	4.12	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0491245	A	.00	4.22	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0550031	A	.00	4.32	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479136	A	.00	4.42	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479137	A	.00	4.53	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479138	A	.00	4.64	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479139	A	.00	4.75	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479140	A	.00	4.87	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479141	A	.00	4.99	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0485447	A	.00	4.99	.00	.50	.50	.00	125	50	FILM	410	140	1500	28	0000000	
0491203	A	.00	5.11	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0491246	A	.00	5.23	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479142	A	.00	5.36	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479143	A	.00	5.49	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0491247	A	.00	5.62	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479144	A	.00	5.76	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479145	A	.00	5.90	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479146	A	.00	6.04	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479147	A	.00	6.19	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479148	A	.00	6.34	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479149	A	.00	6.49	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
8519153	A	.00	6.49	.00	1.00	1.00	.00	125	50	FILM	281	98	1500	27	0000000	
0479150	A	.00	6.65	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0491248	A	.00	6.81	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0814295	A	.00	6.81	.00	1.00	1.00	.00	125	25	FILM	422	145	1500	28	0000000	
0479151	A	.00	6.98	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479152	A	.00	7.15	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0550041	A	.00	7.32	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0813240	A	.00	7.32	.00	1.00	1.00	.00	125	25	FILM	422	145	1500	28	0000000	
0479153	A	.00	7.50	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0550033	A	.00	7.68	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0479154	A	.00	7.87	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0550029	A	.00	8.06	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	
0491283	A	.00	8.25	.00	1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950	

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 3 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REE1 DCS#N EQ 2353\$ DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0479155	A	.00	8.45	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479156	A	.00	8.66	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479157	A	.00	8.87	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0550040	A	.00	9.09	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479158	A	.00	9.31	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0550039	A	.00	9.53	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479159	A	.00	9.76	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479160	A	.00	10.00	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0483497	A	.00	10.00	.00	1.00	1.00	.00	.00	125	25	FILM	437	140	1500	28	0000000
0479161	A	.00	10.20	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479162	A	.00	10.50	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0483496	A	.00	10.50	.00	1.00	1.00	.00	.00	125	25	FILM	437	140	1500	28	0000000
8519154	A	.00	10.50	.00	1.00	1.00	.00	.00	125	50	FILM	281	98	1500	27	0000000
0479163	A	.00	10.70	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479164	A	.00	11.00	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479165	A	.00	11.30	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0550098	A	.00	11.50	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479166	A	.00	11.80	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0483279	A	.00	12.00	.00	1.00	1.00	.00	.00	125	50	FILM	421	140	1500	28	0000000
0479167	A	.00	12.10	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479168	A	.00	12.40	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479169	A	.00	12.70	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479170	A	.00	13.00	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479171	A	.00	13.30	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479172	A	.00	13.70	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479173	A	.00	14.00	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479174	A	.00	14.30	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479175	A	.00	14.70	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479176	A	.00	15.00	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
4481348	A	.00	15.00	.00	.10	.10	.00	.00	125	50	FILM	325	98	1500	27	0000000
0479177	A	.00	15.40	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479178	A	.00	15.80	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0491016	A	.00	16.20	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479179	A	.00	16.50	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479180	A	.00	16.90	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479181	A	.00	17.40	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479182	A	.00	17.80	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0813241	A	.00	17.80	.00	1.00	1.00	.00	.00	125	25	FILM	422	145	1500	28	0000000
0479183	A	.00	18.20	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
8519155	A	.00	18.20	.00	1.00	1.00	.00	.00	125	50	FILM	281	98	1500	27	0000000
0479184	A	.00	18.70	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479185	A	.00	19.10	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479186	A	.00	19.60	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
0479187	A	.00	20.00	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
5213412	A	.00	20.00	.00	1.00	1.00	.00	.00	125	100	FILM	281	140	1625	27	0000000
8519156	A	.00	20.00	.00	1.00	1.00	.00	.00	125	50	FILM	281	98	1500	27	0000000
0479188	A	.00	20.50	.00	1.00	1.00	.00	.00	125	100	FILM	420	145	1500	27	0478950
4481349	A	.00	20.50	.00	.10	.10	.00	.00	125	50	FILM	325	98	1500	27	0000000

E45-0359 Rev. 2

IBM Internal Use Only

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 4 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0479189	A	.00	21.00	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479190	A	.00	21.50	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0483082	A	.00	22.00	.00		1.00	1.00	.00	125	50	FILM	421	140	1500	28	0000000
0492420	A	.00	22.10	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479191	A	.00	22.60	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479192	A	.00	23.20	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479193	A	.00	23.70	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0483081	A	.00	24.00	.00		1.00	1.00	.00	125	50	FILM	421	140	1500	28	0000000
0479194	A	.00	24.30	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479195	A	.00	24.90	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479196	A	.00	25.50	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479197	A	.00	26.10	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492445	A	.00	26.70	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479198	A	.00	27.40	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479199	A	.00	28.00	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479200	A	.00	28.70	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479201	A	.00	29.40	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479202	A	.00	30.10	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479203	A	.00	30.90	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479204	A	.00	31.60	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479205	A	.00	32.40	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479206	A	.00	33.20	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479207	A	.00	34.00	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479208	A	.00	34.80	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479209	A	.00	35.70	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
8519157	A	.00	35.70	.00		1.00	1.00	.00	125	50	FILM	281	98	1500	27	0000000
0479210	A	.00	36.50	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479211	A	.00	37.40	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479212	A	.00	38.30	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479213	A	.00	39.20	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
5213411	A	.00	39.20	.00		1.00	1.00	.00	125	100	FILM	281	140	1625	27	0000000
0479214	A	.00	40.20	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479215	A	.00	41.20	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479216	A	.00	42.20	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479217	A	.00	43.20	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479218	A	.00	44.20	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479219	A	.00	45.30	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479220	A	.00	46.40	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479221	A	.00	47.50	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479222	A	.00	48.70	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479223	A	.00	49.90	.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0483495	A	.00	56.20	.00		1.00	1.00	.00	125	100	FILM	437	140	1500	28	0000000
2175484	A	.00	73.20	.00		1.00	1.00	.00	125	100	FILM	421	160	1375	28	0000000
2181761	A	.00	100.00	.00		1.00	1.00	.00	125	25	FILM	410	140	1500	28	0000000
2156206	C	.00	121.00	.00		1.00	1.00	.00	125	100	FILM	405	140	1335	28	0000000
8493621	A	.00	181.81	.00		.01	.01	.00	125	5	FILM	430	155	1500	28	0000000
2181763	A	.00	220.00	.00		1.00	1.00	.00	125	25	FILM	410	140	1500	28	0000000
2181714	A	.00	249.00	.00		1.00	1.00	.00	125	25	FILM	400	130	1500	28	0000000

E45-0359 Rev. 2

IBM Internal Use Only

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Film Resistors

PG. 5 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MIOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
2181764	A	.00	301.00	.00		1.00	1.00	.00	125	25	FILM	410	140	1500	28	00000000
2391971	A	.00	348.00	.00		1.00	1.00	.00	125	100	FILM	410	140	1500	28	00000000
2391972	A	.00	365.00	.00		1.00	1.00	.00	125	100	FILM	410	140	1500	28	00000000
5616064	A	.00	400.00	.00		.10	.10	.00	125	15	FILM	430	160	1625	27	00000000
2181765	A	.00	499.00	.00		1.00	1.00	.00	125	50	FILM	410	140	1500	28	00000000
1589021	A	.00	590.00	.00		1.00	1.00	.00	125	100	FILM	590	150	1500	32	00000000
0478950	A	.00	.00	10.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478951	A	.00	.00	10.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478952	A	.00	.00	10.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478953	A	.00	.00	10.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478954	A	.00	.00	11.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478955	A	.00	.00	11.30		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478956	A	.00	.00	11.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478957	A	.00	.00	11.80		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478958	A	.00	.00	12.10		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478959	A	.00	.00	12.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478960	A	.00	.00	12.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478961	A	.00	.00	13.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478962	A	.00	.00	13.30		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478963	A	.00	.00	13.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478964	A	.00	.00	14.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478965	A	.00	.00	14.30		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478966	A	.00	.00	14.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478967	A	.00	.00	15.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478968	A	.00	.00	15.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478969	A	.00	.00	15.80		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478970	A	.00	.00	16.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478971	A	.00	.00	16.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478972	A	.00	.00	16.90		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478973	A	.00	.00	17.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478974	A	.00	.00	17.80		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478975	A	.00	.00	18.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478976	A	.00	.00	18.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478977	A	.00	.00	19.10		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478978	A	.00	.00	19.60		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492444	A	.00	.00	20.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478979	A	.00	.00	20.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478980	A	.00	.00	21.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478981	A	.00	.00	21.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491204	A	.00	.00	22.10		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478982	A	.00	.00	22.60		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478983	A	.00	.00	23.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478984	A	.00	.00	23.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478985	A	.00	.00	24.30		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478986	A	.00	.00	24.90		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478987	A	.00	.00	25.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478988	A	.00	.00	26.10		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478989	A	.00	.00	26.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 6 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0478990	A	.00	.00	27.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478991	A	.00	.00	28.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478992	A	.00	.00	28.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478993	A	.00	.00	29.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478994	A	.00	.00	30.10		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478995	A	.00	.00	30.90		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478996	A	.00	.00	31.60		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478997	A	.00	.00	32.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478998	A	.00	.00	33.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0478999	A	.00	.00	34.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479000	A	.00	.00	34.80		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479001	A	.00	.00	35.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479002	A	.00	.00	36.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479003	A	.00	.00	37.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479004	A	.00	.00	38.30		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479005	A	.00	.00	39.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479006	A	.00	.00	40.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479007	A	.00	.00	41.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479008	A	.00	.00	42.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479009	A	.00	.00	43.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479010	A	.00	.00	44.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479011	A	.00	.00	45.30		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479012	A	.00	.00	46.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479013	A	.00	.00	47.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479014	A	.00	.00	48.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479015	A	.00	.00	49.90		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0483444	A	.00	.00	49.90		1.50	.50	.00	125	50	FILM	410	140	1500	28	0000000
0479016	A	.00	.00	51.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479017	A	.00	.00	52.30		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479018	A	.00	.00	53.60		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479019	A	.00	.00	54.90		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479020	A	.00	.00	56.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479021	A	.00	.00	57.60		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479022	A	.00	.00	59.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550449	A	.00	.00	60.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479024	A	.00	.00	61.90		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479025	A	.00	.00	63.40		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479026	A	.00	.00	64.90		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479027	A	.00	.00	66.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479028	A	.00	.00	68.10		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479029	A	.00	.00	69.80		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479030	A	.00	.00	71.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479031	A	.00	.00	73.20		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550090	A	.00	.00	75.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479032	A	.00	.00	76.80		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479033	A	.00	.00	78.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479034	A	.00	.00	80.60		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491202	A	.00	.00	82.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950

E45-0359 Rev. 2

IBM Internal Use Only

2-80

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Film Resistors

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CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0479035	A	.00	.00	84.50		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479036	A	.00	.00	86.60		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479037	A	.00	.00	88.70		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479038	A	.00	.00	90.90		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
2196305	A	.00	.00	90.90		1.00	1.00	.00	125	100	FILM	410	140	1500	28	0000000
0479039	A	.00	.00	93.10		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492465	A	.00	.00	95.30		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479041	A	.00	.00	97.60		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0483445	A	.00	.00	100.00		.50	.50	.00	125	50	FILM	410	140	1500	28	0000000
0528924	A	.00	.00	100.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479042	A	.00	.00	102.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550091	A	.00	.00	105.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492366	A	.00	.00	107.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479043	A	.00	.00	110.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479044	A	.00	.00	113.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479045	A	.00	.00	115.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479046	A	.00	.00	118.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550015	A	.00	.00	121.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479047	A	.00	.00	124.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479048	A	.00	.00	127.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492361	A	.00	.00	130.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479050	A	.00	.00	133.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479051	A	.00	.00	137.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492489	A	.00	.00	140.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479053	A	.00	.00	143.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479054	A	.00	.00	147.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0528925	A	.00	.00	150.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479055	A	.00	.00	154.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492443	A	.00	.00	158.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479056	A	.00	.00	162.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479057	A	.00	.00	165.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479058	A	.00	.00	169.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479059	A	.00	.00	174.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479060	A	.00	.00	178.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479061	A	.00	.00	182.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492365	A	.00	.00	187.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491205	A	.00	.00	191.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550085	A	.00	.00	196.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491213	A	.00	.00	200.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550004	A	.00	.00	205.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479062	A	.00	.00	210.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550005	A	.00	.00	215.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491312	A	.00	.00	221.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0479063	A	.00	.00	226.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0550089	A	.00	.00	232.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0492488	A	.00	.00	237.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0528919	A	.00	.00	243.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950
0491206	A	.00	.00	249.00		1.00	1.00	.00	125	100	FILM	420	145	1500	27	0478950

E45-0359 Rev. 2

IBM Internal Use Only

2-81

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 8 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REE1 DCS#N EQ 23539 DR/PWR/MW EQ 125 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0479066	A	.00	.00	255.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479067	A	.00	.00	261.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479068	A	.00	.00	267.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0492492	A	.00	.00	274.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0550450	A	.00	.00	280.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479071	A	.00	.00	287.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479072	A	.00	.00	294.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479073	A	.00	.00	301.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479074	A	.00	.00	309.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479075	A	.00	.00	316.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0491214	A	.00	.00	324.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479076	A	.00	.00	332.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479077	A	.00	.00	340.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0492404	A	.00	.00	348.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479078	A	.00	.00	357.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0491208	A	.00	.00	365.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0550017	A	.00	.00	374.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479079	A	.00	.00	383.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0528920	A	.00	.00	392.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0492370	A	.00	.00	402.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479080	A	.00	.00	412.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0492384	A	.00	.00	422.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479081	A	.00	.00	432.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479082	A	.00	.00	442.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479083	A	.00	.00	453.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479084	A	.00	.00	464.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0491207	A	.00	.00	475.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479085	A	.00	.00	487.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0492405	A	.00	.00	499.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0528923	A	.00	.00	511.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0491238	A	.00	.00	523.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479086	A	.00	.00	536.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479087	A	.00	.00	549.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0550013	A	.00	.00	562.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479088	A	.00	.00	576.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479089	A	.00	.00	590.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479090	A	.00	.00	604.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479091	A	.00	.00	619.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479092	A	.00	.00	634.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479093	A	.00	.00	649.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0491209	A	.00	.00	665.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0491239	A	.00	.00	681.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479095	A	.00	.00	698.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0492367	A	.00	.00	715.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0550014	A	.00	.00	732.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0550011	A	.00	.00	750.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479096	A	.00	.00	768.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0550016	A	.00	.00	787.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0491240	A	.00	.00	806.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479097	A	.00	.00	825.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0550019	A	.00	.00	845.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479098	A	.00	.00	866.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479099	A	.00	.00	887.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479100	A	.00	.00	909.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479101	A	.00	.00	931.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0491210	A	.00	.00	953.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
0479102	A	.00	.00	976.00		1.00	1.00	.00	125	100	FILM	420	145	1500		27 0478950
TOTAL RECORDS				393												

E45-0359 Rev. 2

IBM Internal Use Only

2-82

September 15, 1982

PASSIVE COMPONENTS MANUAL

FILM RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

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23532 - 1/4 Watt Precision

PG. 1 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
2196114	C	1.00	.00	.00		1.00	1.00	.00	250	50	FILM	600	250	1500	28	0000000
4429615	A	1.00	.00	.00		.10	.10	.00	250	15	FILM	655	195	1500	28	0000000
2196133	C	1.50	.00	.00		1.00	1.00	.00	250	50	FILM	600	250	1625	28	0000000
8493374	C	5.00	.00	.00		1.00	1.00	.00	250	100	FILM	600	153	1500	34	0000000
0491010	A	.00	1.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481991	A	.00	1.02	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0528946	A	.00	1.05	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481992	A	.00	1.07	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492619	A	.00	1.10	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0550082	A	.00	1.13	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481993	A	.00	1.15	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481994	A	.00	1.18	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481995	A	.00	1.21	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481996	A	.00	1.24	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481997	A	.00	1.27	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492427	A	.00	1.30	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481998	A	.00	1.33	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491297	A	.00	1.37	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492620	A	.00	1.40	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481999	A	.00	1.43	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482000	A	.00	1.47	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0479225	A	.00	1.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482001	A	.00	1.54	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482002	A	.00	1.58	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482003	A	.00	1.62	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482004	A	.00	1.65	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482005	A	.00	1.69	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482006	A	.00	1.74	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0479226	A	.00	1.78	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492439	A	.00	1.82	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482007	A	.00	1.87	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482008	A	.00	1.91	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0479227	A	.00	1.96	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0529210	A	.00	2.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482009	A	.00	2.05	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482010	A	.00	2.10	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482011	A	.00	2.15	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491288	A	.00	2.21	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482012	A	.00	2.26	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482013	A	.00	2.32	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492539	A	.00	2.37	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0217087	A	.00	2.43	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482014	A	.00	2.49	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482015	A	.00	2.55	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482016	A	.00	2.61	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491011	A	.00	2.67	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0529209	A	.00	2.70	.00		1.00	1.00	.00	250	100	FILM	400	148	1625	27	0000000
0482017	A	.00	2.74	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 2 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0482018	A	.00	2.80	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482019	A	.00	2.87	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482020	A	.00	2.94	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0491269	A	.00	3.01	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482021	A	.00	3.09	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482022	A	.00	3.16	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482023	A	.00	3.24	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0492609	A	.00	3.32	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0550045	A	.00	3.40	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482024	A	.00	3.48	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482025	A	.00	3.57	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482026	A	.00	3.65	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0550044	A	.00	3.74	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0217088	A	.00	3.83	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0529212	A	.00	3.90	.00	1.00	1.00	.00	250	100	FILM	400	148	1625	27	0000000	
0482027	A	.00	3.92	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482028	A	.00	4.02	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482029	A	.00	4.12	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482030	A	.00	4.22	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0479228	A	.00	4.32	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482031	A	.00	4.42	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0479229	A	.00	4.53	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482032	A	.00	4.64	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482033	A	.00	4.75	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0217083	A	.00	4.87	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0491231	A	.00	4.99	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0492449	A	.00	5.11	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482034	A	.00	5.23	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482035	A	.00	5.36	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482036	A	.00	5.49	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0483391	A	.00	5.49	.00	1.00	1.00	.00	250	50	FILM	610	248	1500	28	0000000	
0482037	A	.00	5.62	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482038	A	.00	5.76	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482039	A	.00	5.90	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482040	A	.00	6.04	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482041	A	.00	6.19	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482042	A	.00	6.34	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482043	A	.00	6.49	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482044	A	.00	6.65	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482045	A	.00	6.81	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0491265	A	.00	6.98	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482046	A	.00	7.15	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482047	A	.00	7.32	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0479230	A	.00	7.50	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482048	A	.00	7.68	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0479231	A	.00	7.87	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482049	A	.00	8.06	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482050	A	.00	8.25	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	

E45-0359 Rev. 2

2-84

IBM Internal Use Only

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 3 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REE1 DCS#N EQ 2353\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0482051	A	.00	8.45	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482052	A	.00	8.66	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482053	A	.00	8.87	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482054	A	.00	9.09	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482055	A	.00	9.31	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482056	A	.00	9.53	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482057	A	.00	9.76	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492425	A	.00	10.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482058	A	.00	10.20	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482059	A	.00	10.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482060	A	.00	10.70	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482061	A	.00	11.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0483363	A	.00	11.00	.00		5.00	5.00	.00	250	25	FILM	610	248	1375	28	0000000
0482062	A	.00	11.30	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482063	A	.00	11.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482064	A	.00	11.80	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0813226	A	.00	12.00	.00		1.00	1.00	.00	250	50	FILM	610	248	1500	28	0000000
0491306	A	.00	12.10	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482065	A	.00	12.40	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482066	A	.00	12.70	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482067	A	.00	13.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0483345	A	.00	13.00	.00		1.00	1.00	.00	250	25	FILM	610	248	1375	28	0000000
0483488	A	.00	13.00	.00		.10	.10	.00	250	50	FILM	610	248	1500	28	0000000
0482068	A	.00	13.30	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482069	A	.00	13.70	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482070	A	.00	14.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482071	A	.00	14.30	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482072	A	.00	14.70	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492485	A	.00	15.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482073	A	.00	15.40	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482074	A	.00	15.80	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491270	A	.00	16.20	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482075	A	.00	16.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482076	A	.00	16.90	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482077	A	.00	17.40	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482078	A	.00	17.80	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0483364	A	.00	18.00	.00		5.00	5.00	.00	250	50	FILM	610	221	1500	28	0000000
0482079	A	.00	18.20	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482080	A	.00	18.70	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482081	A	.00	19.10	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482082	A	.00	19.60	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482083	A	.00	20.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482084	A	.00	20.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482085	A	.00	21.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482086	A	.00	21.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0483486	A	.00	21.56	.00		.10	.10	.00	250	50	FILM	610	248	1500	28	0000000
0482087	A	.00	22.10	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482088	A	.00	22.60	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083

PASSIVE COMPONENTS MANUAL

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 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0482089	A	.00	23.20	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482090	A	.00	23.70	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0483346	A	.00	24.00	.00	1.00	1.00	.00	250	50	FILM	610	248	1375	28	0000000	
0482091	A	.00	24.30	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482092	A	.00	24.90	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482093	A	.00	25.50	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482094	A	.00	26.10	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482095	A	.00	26.70	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482096	A	.00	27.40	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482097	A	.00	28.00	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482098	A	.00	28.70	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482099	A	.00	29.40	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0483434	A	.00	30.00	.00	1.00	1.00	.00	250	50	FILM	600	248	1500	27	0000000	
0482100	A	.00	30.10	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482101	A	.00	30.90	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482102	A	.00	31.60	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482103	A	.00	32.40	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482104	A	.00	33.20	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482105	A	.00	34.00	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0550047	A	.00	34.80	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482106	A	.00	35.70	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0483433	A	.00	36.00	.00	1.00	1.00	.00	250	50	FILM	600	248	1500	28	0000000	
0482107	A	.00	36.50	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482108	A	.00	37.40	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482109	A	.00	38.30	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482110	A	.00	39.20	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482111	A	.00	40.20	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482112	A	.00	41.20	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0550088	A	.00	42.20	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0479232	A	.00	43.20	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482113	A	.00	44.20	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482114	A	.00	45.30	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482115	A	.00	46.40	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482116	A	.00	47.50	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482117	A	.00	48.70	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482118	A	.00	49.90	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482119	A	.00	51.10	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482120	A	.00	52.30	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482121	A	.00	53.60	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0483487	A	.00	53.60	.00	.10	.10	.00	250	50	FILM	610	248	1500	28	0000000	
0482122	A	.00	54.90	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482123	A	.00	56.20	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482124	A	.00	57.60	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482125	A	.00	59.00	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482126	A	.00	60.40	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482127	A	.00	61.90	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482128	A	.00	63.40	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	
0482129	A	.00	64.90	.00	1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083	

E45-0359 Rev. 2

IBM Internal Use Only

2-86

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Film Resistors

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PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0482130	A	.00	66.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482131	A	.00	68.10	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482132	A	.00	69.80	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482133	A	.00	71.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482134	A	.00	73.20	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0479233	A	.00	75.00	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482135	A	.00	76.80	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482136	A	.00	78.70	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482137	A	.00	80.60	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482138	A	.00	82.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482139	A	.00	84.50	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482140	A	.00	86.60	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482141	A	.00	88.70	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0479234	A	.00	90.90	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482142	A	.00	93.10	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482143	A	.00	95.30	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0482144	A	.00	97.60	.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0550461	A	.00	100.00	.00		1.00	1.00	.00	250	100	FILM	610	223	1400	23	0000000
2196135	A	.00	100.00	.00		1.00	1.00	.00	250	100	FILM	610	260	1625	28	0000000
0483331	A	.00	121.00	.00		1.00	1.00	.00	250	100	FILM	610	220	1375	28	0000000
0483448	A	.00	182.00	.00		1.00	1.00	.00	250	50	FILM	610	248	1500	28	0000000
2196168	A	.00	243.00	.00		1.00	1.00	.00	250	25	FILM	610	260	1625	28	0000000
2196167	A	.00	487.00	.00		1.00	1.00	.00	250	25	FILM	610	260	1625	28	0000000
8493489	A	.00	727.27	.00		.01	.01	.00	250	5	FILM	655	195	1500	28	0000000
8519610	C	.00	900.00	.00		.01	.01	.00	250	5	FILM	655	195	1500	28	0000000
4429651	C	.00	.00	2.20		1.00	1.00	.00	250	100	FILM	265	98	1500	26	0000000
2124660	A	.00	.00	7.50		1.00	1.00	.00	250	100	FILM	621	235	1500	28	0000000
0481823	A	.00	.00	10.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
2391610	A	.00	.00	10.00		1.00	1.00	.00	250	100	FILM	275	1000	1500	27	0000000
0481824	A	.00	.00	10.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481825	A	.00	.00	10.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481826	A	.00	.00	10.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481827	A	.00	.00	11.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481828	A	.00	.00	11.30		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481829	A	.00	.00	11.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481830	A	.00	.00	11.80		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481831	A	.00	.00	12.10		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481832	A	.00	.00	12.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481833	A	.00	.00	12.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481834	A	.00	.00	13.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481835	A	.00	.00	13.30		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481836	A	.00	.00	13.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481837	A	.00	.00	14.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481838	A	.00	.00	14.30		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481839	A	.00	.00	14.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481840	A	.00	.00	15.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481841	A	.00	.00	15.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481842	A	.00	.00	15.80		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 6 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0481843	A	.00	.00	16.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481844	A	.00	.00	16.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481845	A	.00	.00	16.90		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481846	A	.00	.00	17.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481847	A	.00	.00	17.80		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481848	A	.00	.00	18.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481849	A	.00	.00	18.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481850	A	.00	.00	19.10		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481851	A	.00	.00	19.60		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481852	A	.00	.00	20.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481853	A	.00	.00	20.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481854	A	.00	.00	21.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481855	A	.00	.00	21.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481856	A	.00	.00	22.10		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481857	A	.00	.00	22.60		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481858	A	.00	.00	23.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481859	A	.00	.00	23.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481860	A	.00	.00	24.30		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481861	A	.00	.00	24.90		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481862	A	.00	.00	25.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481863	A	.00	.00	26.10		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481864	A	.00	.00	26.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481865	A	.00	.00	27.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481866	A	.00	.00	28.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481867	A	.00	.00	28.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481868	A	.00	.00	29.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481869	A	.00	.00	30.10		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481870	A	.00	.00	30.30		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481871	A	.00	.00	31.60		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481872	A	.00	.00	32.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481873	A	.00	.00	33.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481874	A	.00	.00	34.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481875	A	.00	.00	34.80		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481876	A	.00	.00	35.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481877	A	.00	.00	36.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481878	A	.00	.00	37.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481879	A	.00	.00	38.30		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481880	A	.00	.00	39.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481881	A	.00	.00	40.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481882	A	.00	.00	41.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481883	A	.00	.00	42.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481884	A	.00	.00	43.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481885	A	.00	.00	44.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481886	A	.00	.00	45.30		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481887	A	.00	.00	46.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481888	A	.00	.00	47.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481888	A	.00	.00	48.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492649	A	.00	.00	49.90		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481889	A	.00	.00	49.90		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083

E45-0359 Rev. 2

IBM Internal Use Only 2-88

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 7 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0481890	A	.00	.00	51.10		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481891	A	.00	.00	52.30		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481892	A	.00	.00	53.60		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481893	A	.00	.00	54.90		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481894	A	.00	.00	56.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481895	A	.00	.00	57.60		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481896	A	.00	.00	59.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481897	A	.00	.00	60.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481898	A	.00	.00	61.90		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481899	A	.00	.00	63.40		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481900	A	.00	.00	64.90		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481901	A	.00	.00	66.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481902	A	.00	.00	68.10		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481903	A	.00	.00	69.80		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481904	A	.00	.00	71.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481905	A	.00	.00	73.20		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481906	A	.00	.00	75.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481907	A	.00	.00	76.80		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481908	A	.00	.00	78.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481909	A	.00	.00	80.60		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0528928	A	.00	.00	82.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481910	A	.00	.00	84.50		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481911	A	.00	.00	86.60		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481912	A	.00	.00	88.70		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491308	A	.00	.00	90.90		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481913	A	.00	.00	93.10		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481914	A	.00	.00	95.30		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492656	A	.00	.00	97.60		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481915	A	.00	.00	100.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481916	A	.00	.00	102.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481917	A	.00	.00	105.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481918	A	.00	.00	107.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481919	A	.00	.00	110.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481920	A	.00	.00	113.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481921	A	.00	.00	115.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481922	A	.00	.00	118.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481923	A	.00	.00	121.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481924	A	.00	.00	124.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481925	A	.00	.00	127.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481926	A	.00	.00	130.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481927	A	.00	.00	133.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481928	A	.00	.00	137.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481929	A	.00	.00	140.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481930	A	.00	.00	143.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481931	A	.00	.00	147.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492662	A	.00	.00	150.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481932	A	.00	.00	154.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481933	A	.00	.00	158.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083

PASSIVE COMPONENTS MANUAL

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Film Resistors

PG. 8 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0481934	A	.00	.00	162.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0550095	A	.00	.00	165.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481935	A	.00	.00	169.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481936	A	.00	.00	174.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481937	A	.00	.00	178.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491260	A	.00	.00	182.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481938	A	.00	.00	187.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481939	A	.00	.00	191.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481940	A	.00	.00	196.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491253	A	.00	.00	200.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481941	A	.00	.00	205.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481942	A	.00	.00	210.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492472	A	.00	.00	215.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481943	A	.00	.00	221.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481944	A	.00	.00	226.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481945	A	.00	.00	232.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481946	A	.00	.00	237.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481947	A	.00	.00	243.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481948	A	.00	.00	249.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481949	A	.00	.00	255.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481950	A	.00	.00	261.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481951	A	.00	.00	267.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481952	A	.00	.00	274.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481953	A	.00	.00	280.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481954	A	.00	.00	287.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481955	A	.00	.00	294.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0550083	A	.00	.00	301.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481956	A	.00	.00	309.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481957	A	.00	.00	316.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481958	A	.00	.00	324.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481959	A	.00	.00	332.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481960	A	.00	.00	340.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481961	A	.00	.00	348.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481962	A	.00	.00	357.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491274	A	.00	.00	365.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481963	A	.00	.00	374.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481964	A	.00	.00	383.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481965	A	.00	.00	392.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481966	A	.00	.00	402.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491275	A	.00	.00	412.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481967	A	.00	.00	422.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481968	A	.00	.00	432.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0550998	A	.00	.00	442.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481969	A	.00	.00	453.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481970	A	.00	.00	464.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0479224	A	.00	.00	475.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481971	A	.00	.00	487.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481972	A	.00	.00	499.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083

E45-0359 Rev. 2

IBM Internal Use Only

2-90

September 15, 1982

Component Data Bank - P/N Catalog
Film Resistors

PG. 9 06/30/82 23:10 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 250 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0492670	A	.00	.00	511.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492479	A	.00	.00	523.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481973	A	.00	.00	536.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481974	A	.00	.00	549.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481975	A	.00	.00	562.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481976	A	.00	.00	576.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0217084	A	.00	.00	590.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0217099	A	.00	.00	604.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481977	A	.00	.00	619.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481978	A	.00	.00	634.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481979	A	.00	.00	649.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492478	A	.00	.00	665.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492608	A	.00	.00	681.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0492440	A	.00	.00	698.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0217086	A	.00	.00	715.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481980	A	.00	.00	732.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0550043	A	.00	.00	750.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481981	A	.00	.00	768.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481982	A	.00	.00	787.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481983	A	.00	.00	806.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481984	A	.00	.00	825.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481985	A	.00	.00	845.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481986	A	.00	.00	866.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481987	A	.00	.00	887.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0491216	A	.00	.00	909.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481988	A	.00	.00	931.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481989	A	.00	.00	953.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
0481990	A	.00	.00	976.00		1.00	1.00	.00	250	100	FILM	420	150	1500	28	0217083
TOTAL RECORDS			412													

PASSIVE COMPONENTS MANUAL

FILM RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

23533 - 1/2 Watt Precision

PG. 1 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0509597	A	1.00	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481797	A	1.02	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481798	A	1.05	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481799	A	1.07	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481800	A	1.10	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481801	A	1.13	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481802	A	1.15	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481803	A	1.18	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481804	A	1.21	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481805	A	1.24	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481806	A	1.27	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481807	A	1.30	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0527864	A	1.33	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481808	A	1.37	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481809	A	1.40	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481810	A	1.43	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0527866	A	1.47	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481811	A	1.50	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481812	A	1.54	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481813	A	1.58	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481814	A	1.62	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481815	A	1.65	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481816	A	1.69	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481817	A	1.74	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481818	A	1.78	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481819	A	1.82	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481820	A	1.87	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481821	A	1.91	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0527865	A	1.96	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481822	A	2.00	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
2100375	A	2.70	.00	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0479040	A	.00	1.00	.00	1.00	1.00	1.00	.00	500	500	FILM	400	150	1500	27	0000000
0483449	A	.00	1.00	.00	1.00	.50	.50	.00	500	50	FILM	420	150	1500	28	0217089
0481559	A	.00	1.02	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481560	A	.00	1.05	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481561	A	.00	1.07	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481562	A	.00	1.10	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481563	A	.00	1.13	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481564	A	.00	1.15	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481565	A	.00	1.18	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0479117	A	.00	1.21	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481566	A	.00	1.24	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481567	A	.00	1.27	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0479069	A	.00	1.30	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481568	A	.00	1.33	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481569	A	.00	1.37	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481570	A	.00	1.40	.00	1.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
2102509	A	.00	1.41	.00	1.00	1.00	1.00	.00	500	100	FILM	760	280	1500	35	0000000

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 2 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MM EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	TOL		POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY		LEAD NOM-LGT MILS	LEAD MAX-DIA MILS		TAB DRAW NUM.
				RESIS MILOHM	%					MX-LGTH MILS	MX-DIA MILS		MAX-DIA MILS		
0481571 A	.00	1.43	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481572 A	.00	1.47	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481573 A	.00	1.50	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481574 A	.00	1.54	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481575 A	.00	1.58	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481576 A	.00	1.62	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481577 A	.00	1.65	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481578 A	.00	1.69	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481579 A	.00	1.74	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0479065 A	.00	1.78	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0222051 A	.00	1.82	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481580 A	.00	1.87	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481581 A	.00	1.91	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481582 A	.00	1.96	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0360053 A	.00	2.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481583 A	.00	2.05	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481584 A	.00	2.10	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481585 A	.00	2.15	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481586 A	.00	2.21	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481587 A	.00	2.26	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481588 A	.00	2.32	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481589 A	.00	2.37	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481590 A	.00	2.43	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481591 A	.00	2.49	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481592 A	.00	2.55	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481593 A	.00	2.61	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0479118 A	.00	2.67	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481594 A	.00	2.74	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481595 A	.00	2.80	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481596 A	.00	2.87	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481597 A	.00	2.94	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0217094 A	.00	3.01	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481598 A	.00	3.09	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481599 A	.00	3.16	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481600 A	.00	3.24	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0527867 A	.00	3.32	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0550048 A	.00	3.40	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0492484 A	.00	3.48	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0527868 A	.00	3.57	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481601 A	.00	3.65	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0492661 A	.00	3.74	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481602 A	.00	3.83	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0492548 A	.00	3.92	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0217096 A	.00	4.02	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481603 A	.00	4.12	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0492554 A	.00	4.22	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0492481 A	.00	4.32	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481604 A	.00	4.42	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 3 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REE1 DCS#N EQ 2353\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0492436	A	.00	4.53	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481605	A	.00	4.64	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481606	A	.00	4.75	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481607	A	.00	4.87	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0217097	A	.00	4.99	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0440511	A	.00	5.10	.00	.50	.50	.00	500	100	FILM	813	375	1250	35	0000000	
0479052	A	.00	5.11	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481608	A	.00	5.23	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0492480	A	.00	5.36	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0492482	A	.00	5.49	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481609	A	.00	5.62	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481610	A	.00	5.76	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481611	A	.00	5.90	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0217098	A	.00	6.04	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481612	A	.00	6.19	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481613	A	.00	6.34	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481614	A	.00	6.49	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481615	A	.00	6.65	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0527894	A	.00	6.81	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481616	A	.00	6.98	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481617	A	.00	7.15	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481618	A	.00	7.32	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0478004	A	.00	7.50	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481619	A	.00	7.68	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481620	A	.00	7.87	.00	1.0	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481621	A	.00	8.06	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0527860	A	.00	8.25	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481622	A	.00	8.45	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481623	A	.00	8.66	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481624	A	.00	8.87	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0492483	A	.00	9.09	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481625	A	.00	9.31	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481626	A	.00	9.53	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481627	A	.00	9.76	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0509593	A	.00	10.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481628	A	.00	10.20	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0814290	A	.00	10.20	.00	1.00	1.00	.00	500	50	FILM	760	260	1500	35	0000000	
0481629	A	.00	10.50	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0814289	A	.00	10.50	.00	1.00	1.00	.00	500	50	FILM	750	250	1500	35	0000000	
0481630	A	.00	10.70	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0527861	A	.00	11.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481631	A	.00	11.30	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481632	A	.00	11.50	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481633	A	.00	11.80	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0440509	A	.00	12.00	.00	.50	.50	.00	500	100	FILM	813	375	1250	35	0000000	
0527875	A	.00	12.10	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481634	A	.00	12.40	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481635	A	.00	12.70	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	

E45-0359 Rev. 2

IBM Internal Use Only

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 4 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0492611	A	.00	13.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481636	A	.00	13.30	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481637	A	.00	13.70	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481638	A	.00	14.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481639	A	.00	14.30	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481640	A	.00	14.70	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481641	A	.00	15.40	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481642	A	.00	15.80	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
2128831	A	.00	16.00	.00		1.00	1.00	.00	500	100	FILM	866	312	1500	35	0000000
0481643	A	.00	16.20	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481644	A	.00	16.50	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481645	A	.00	16.90	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481646	A	.00	17.40	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481647	A	.00	17.80	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481648	A	.00	18.20	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481649	A	.00	18.70	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481650	A	.00	19.10	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481651	A	.00	19.60	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0317435	A	.00	20.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481652	A	.00	20.50	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481653	A	.00	21.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481654	A	.00	21.50	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0472105	A	.00	22.10	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481655	A	.00	22.60	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481656	A	.00	23.20	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481657	A	.00	23.70	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
2128832	A	.00	24.00	.00		1.00	1.00	.00	500	100	FILM	866	312	1500	35	0000000
0441379	A	.00	24.30	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481658	A	.00	24.90	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481659	A	.00	25.50	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481660	A	.00	26.10	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481661	A	.00	26.70	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481662	A	.00	27.40	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481663	A	.00	28.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481664	A	.00	28.70	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481665	A	.00	29.40	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481666	A	.00	30.10	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481667	A	.00	30.90	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481668	A	.00	31.60	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
2128833	A	.00	32.00	.00		1.00	1.00	.00	500	100	FILM	866	312	1500	35	0000000
0481669	A	.00	32.40	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481670	A	.00	33.20	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481671	A	.00	34.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481672	A	.00	34.80	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481673	A	.00	35.70	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481674	A	.00	36.50	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481675	A	.00	37.40	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481676	A	.00	38.30	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 5 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MM EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL		POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY		LEAD		TAB	
						+	-					MX-LGTH MILS	MX-DIA MILS	NOM-LGT MILS	MAX-DIA MILS	DRAW NUM.	
0441108	A	.00	39.20	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481677	A	.00	40.20	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481678	A	.00	41.20	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481679	A	.00	42.20	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481680	A	.00	43.20	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481681	A	.00	44.20	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0483412	A	.00	45.00	.00	1.00	1.00	.00	.00	500	25	FILM	760	260	1500	35	0000000	
0481682	A	.00	45.30	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0527858	A	.00	46.40	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481683	A	.00	47.50	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481685	A	.00	51.10	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481686	A	.00	52.30	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481687	A	.00	53.60	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481688	A	.00	54.90	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
2109236	A	.00	56.00	.00	1.00	1.00	.00	.00	500	100	FILM	760	280	1500	35	0000000	
0481689	A	.00	56.20	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481690	A	.00	57.60	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481691	A	.00	59.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481692	A	.00	60.40	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481693	A	.00	61.90	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481694	A	.00	63.40	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481695	A	.00	64.90	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481696	A	.00	66.50	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481697	A	.00	68.10	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481698	A	.00	69.80	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481699	A	.00	71.50	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481700	A	.00	73.20	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0360779	A	.00	75.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481701	A	.00	76.80	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481702	A	.00	78.70	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481703	A	.00	80.60	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481704	A	.00	82.50	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481705	A	.00	84.50	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481706	A	.00	86.60	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481707	A	.00	88.70	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481708	A	.00	90.90	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481709	A	.00	93.10	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481710	A	.00	95.30	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481711	A	.00	97.60	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0527870	A	.00	100.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481712	A	.00	102.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481713	A	.00	105.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481714	A	.00	107.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0518749	A	.00	110.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481715	A	.00	113.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481716	A	.00	115.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481717	A	.00	118.00	.00	1.00	1.00	.00	.00	500	100	FILM	420	150	1500	28	0217089	
2100889	A	.00	120.00	.00	1.00	1.00	.00	.00	500	100	FILM	760	280	1500	35	0000000	

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 6 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0481718	A	.00	121.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481719	A	.00	124.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481720	A	.00	127.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0518736	A	.00	130.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481721	A	.00	133.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481722	A	.00	137.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0503982	A	.00	140.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481723	A	.00	143.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481724	A	.00	147.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
2102121	A	.00	150.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481725	A	.00	154.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481726	A	.00	158.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
2100890	A	.00	160.00	.00	1.00	1.00	.00	500	100	FILM	750	281	1250	32	0000000	
0527859	A	.00	162.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481727	A	.00	165.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481728	A	.00	169.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481729	A	.00	174.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481730	A	.00	178.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
2102551	A	.00	180.00	.00	1.00	1.00	.00	500	100	FILM	760	280	1500	35	0000000	
0481731	A	.00	182.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481732	A	.00	187.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481733	A	.00	191.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481734	A	.00	196.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0359937	A	.00	200.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481735	A	.00	205.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481736	A	.00	210.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481737	A	.00	215.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481738	A	.00	221.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481739	A	.00	226.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481740	A	.00	232.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481741	A	.00	237.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481742	A	.00	243.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481743	A	.00	249.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481744	A	.00	255.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481745	A	.00	261.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481746	A	.00	267.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481747	A	.00	274.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481748	A	.00	280.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481749	A	.00	287.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481750	A	.00	294.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
2100891	A	.00	300.00	.00	1.00	1.00	.00	500	100	FILM	760	280	1500	35	0000000	
0481751	A	.00	301.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481752	A	.00	309.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481753	A	.00	316.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481754	A	.00	324.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481755	A	.00	332.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481756	A	.00	340.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	
0481757	A	.00	348.00	.00	1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089	

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 7 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 500 DR/PAR1 NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0481758	A	.00	357.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481759	A	.00	365.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481760	A	.00	374.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481761	A	.00	383.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481762	A	.00	392.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481763	A	.00	402.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	34	0217089
2127528	A	.00	402.00	.00		1.00	1.00	.00	500	100	FILM	760	281	1400	30	0000000
0481764	A	.00	412.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481765	A	.00	422.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0527862	A	.00	432.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481766	A	.00	442.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481767	A	.00	453.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481768	A	.00	464.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481769	A	.00	475.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481770	A	.00	487.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481771	A	.00	499.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0509596	A	.00	500.00	.00		1.00	1.00	.00	500	100	FILM	750	250	1250	35	0000000
0254790	A	.00	510.00	.00		1.00	1.00	.00	500	100	FILM	750	141	1500	32	0000000
0481772	A	.00	511.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481773	A	.00	523.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481774	A	.00	536.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481775	A	.00	549.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481776	A	.00	562.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481777	A	.00	576.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481778	A	.00	590.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481779	A	.00	604.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0527869	A	.00	619.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481780	A	.00	634.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481781	A	.00	649.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481783	A	.00	681.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481784	A	.00	698.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481782	A	.00	715.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481785	A	.00	715.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481786	A	.00	732.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0254791	A	.00	750.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481787	A	.00	768.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481788	A	.00	787.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481789	A	.00	806.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0527863	A	.00	825.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481790	A	.00	845.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481791	A	.00	866.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481792	A	.00	887.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481793	A	.00	909.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0254793	A	.00	910.00	.00		1.00	1.00	.00	500	100	FILM	750	141	1500	32	0000000
0481794	A	.00	931.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481795	A	.00	953.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481796	A	.00	976.00	.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
8493810	A	.00	.00	1.00		1.00	1.00	.00	500	100	FILM	375	150	1500	33	0000000

E45-0359 Rev. 2

IBM Internal Use Only

2-98

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 8 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
2123741	A	.00	.00	5.00		1.00	1.00	.00	500	100	FILM	760	280	1500	35	0000000
0511068	A	.00	.00	10.00		1.00	1.00	.00	500	100	FILM	580	185	1562	32	0000000
2100882	A	.00	.00	10.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481400	A	.00	.00	10.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481401	A	.00	.00	10.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481402	A	.00	.00	10.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481403	A	.00	.00	11.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481404	A	.00	.00	11.30		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481405	A	.00	.00	11.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481406	A	.00	.00	11.80		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481407	A	.00	.00	12.10		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0492577	A	.00	.00	12.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0492578	A	.00	.00	12.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481408	A	.00	.00	13.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481409	A	.00	.00	13.30		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481410	A	.00	.00	13.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0217102	A	.00	.00	14.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481411	A	.00	.00	14.30		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481412	A	.00	.00	14.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481413	A	.00	.00	15.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0509594	A	.00	.00	15.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0222351	A	.00	.00	15.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481414	A	.00	.00	15.80		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481415	A	.00	.00	16.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481416	A	.00	.00	16.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0217101	A	.00	.00	16.90		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0222354	A	.00	.00	17.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481417	A	.00	.00	17.80		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481418	A	.00	.00	18.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481419	A	.00	.00	18.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481420	A	.00	.00	19.10		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481421	A	.00	.00	19.60		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481422	A	.00	.00	20.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481423	A	.00	.00	20.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481424	A	.00	.00	21.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481425	A	.00	.00	21.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0814146	A	.00	.00	22.00		5.00	5.00	.00	500		FILM	416	162	1500	37	0000000
0481426	A	.00	.00	22.10		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481427	A	.00	.00	22.60		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481428	A	.00	.00	23.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481429	A	.00	.00	23.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481430	A	.00	.00	24.30		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481431	A	.00	.00	24.90		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481432	A	.00	.00	25.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481433	A	.00	.00	26.10		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481434	A	.00	.00	26.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481435	A	.00	.00	27.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0222053	A	.00	.00	28.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089

E45-0359 Rev. 2

IBM Internal Use Only

2-99

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

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 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0481436	A	.00	.00	28.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481437	A	.00	.00	29.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481438	A	.00	.00	30.10		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481439	A	.00	.00	30.90		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481440	A	.00	.00	31.60		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481441	A	.00	.00	32.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481442	A	.00	.00	33.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0222054	A	.00	.00	34.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
2392046	C	.00	.00	34.00		1.00	1.00	.00	500	100	FILM	634	218	1500	27	0000000
0481443	A	.00	.00	34.80		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481444	A	.00	.00	35.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481445	A	.00	.00	36.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481446	A	.00	.00	37.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481447	A	.00	.00	38.30		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481448	A	.00	.00	39.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481449	A	.00	.00	40.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481450	A	.00	.00	41.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481451	A	.00	.00	42.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481452	A	.00	.00	43.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481453	A	.00	.00	44.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481454	A	.00	.00	45.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481455	A	.00	.00	46.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481456	A	.00	.00	47.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
2128834	A	.00	.00	48.00		1.00	1.00	.00	500	50	FILM	866	312	1500	35	0000000
0481457	A	.00	.00	48.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481458	A	.00	.00	49.90		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0513640	A	.00	.00	49.90		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0492498	A	.00	.00	51.10		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481459	A	.00	.00	52.30		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0492499	A	.00	.00	53.60		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481460	A	.00	.00	54.90		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481461	A	.00	.00	56.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481462	A	.00	.00	57.60		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0492468	A	.00	.00	59.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481463	A	.00	.00	60.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481464	A	.00	.00	61.90		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481465	A	.00	.00	63.40		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481466	A	.00	.00	64.90		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481467	A	.00	.00	66.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481468	A	.00	.00	68.10		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481469	A	.00	.00	69.80		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481470	A	.00	.00	71.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481471	A	.00	.00	73.20		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0491236	A	.00	.00	75.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481472	A	.00	.00	76.80		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481473	A	.00	.00	78.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481474	A	.00	.00	80.60		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481475	A	.00	.00	82.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089

E45-0359 Rev. 2

IBM Internal Use Only 2-100

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Film Resistors

PG. 10 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0481476	A	.00	.00	84.50		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481477	A	.00	.00	86.60		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481478	A	.00	.00	88.70		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0479064	A	.00	.00	90.90		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481479	A	.00	.00	93.10		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481480	A	.00	.00	95.30		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481481	A	.00	.00	97.60		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481482	A	.00	.00	100.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481483	A	.00	.00	102.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481484	A	.00	.00	105.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0491259	A	.00	.00	107.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481485	A	.00	.00	110.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0479070	A	.00	.00	113.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0479023	A	.00	.00	115.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481486	A	.00	.00	118.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481487	A	.00	.00	121.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481488	A	.00	.00	124.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481489	A	.00	.00	127.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0360692	A	.00	.00	130.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481490	A	.00	.00	133.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481491	A	.00	.00	137.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481492	A	.00	.00	140.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481493	A	.00	.00	143.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481494	A	.00	.00	147.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0360691	A	.00	.00	150.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481495	A	.00	.00	154.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481496	A	.00	.00	158.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481497	A	.00	.00	162.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481498	A	.00	.00	165.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481499	A	.00	.00	169.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481500	A	.00	.00	174.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0492357	A	.00	.00	178.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0491273	A	.00	.00	182.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481501	A	.00	.00	187.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481502	A	.00	.00	191.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0217089	A	.00	.00	196.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0483390	A	.00	.00	200.00		1.00	1.00	.00	500	50	FILM	760	260	1500	28	0000000
0529208	A	.00	.00	200.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0217091	A	.00	.00	205.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481503	A	.00	.00	210.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481504	A	.00	.00	215.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481505	A	.00	.00	221.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481506	A	.00	.00	226.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0492635	A	.00	.00	232.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481507	A	.00	.00	237.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481508	A	.00	.00	243.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481509	A	.00	.00	249.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481510	A	.00	.00	255.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089

E45-0359 Rev. 2

IBM Internal Use Only

2-101

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Film Resistors

PG. 11 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2353\$ DR/PWR/MW EQ 500 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MIOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC RES PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0481511	A	.00	.00	261.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481512	A	.00	.00	267.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0492631	A	.00	.00	274.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481513	A	.00	.00	280.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481514	A	.00	.00	287.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481515	A	.00	.00	294.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0479116	A	.00	.00	301.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481516	A	.00	.00	309.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481517	A	.00	.00	316.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481518	A	.00	.00	324.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0479049	A	.00	.00	332.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481519	A	.00	.00	340.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481520	A	.00	.00	348.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481521	A	.00	.00	357.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481522	A	.00	.00	365.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481523	A	.00	.00	374.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481524	A	.00	.00	383.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481525	A	.00	.00	392.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0217092	A	.00	.00	402.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481526	A	.00	.00	412.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481527	A	.00	.00	422.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481528	A	.00	.00	432.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481529	A	.00	.00	442.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481530	A	.00	.00	453.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0217093	A	.00	.00	464.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
2102146	A	.00	.00	470.00		1.00	1.00	.00	500	100	FILM	760	280	1500	35	0000000
0479124	A	.00	.00	475.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481531	A	.00	.00	487.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481532	A	.00	.00	499.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481533	A	.00	.00	511.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481534	A	.00	.00	523.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481535	A	.00	.00	536.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481536	A	.00	.00	549.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481537	A	.00	.00	562.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481538	A	.00	.00	576.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481539	A	.00	.00	590.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481540	A	.00	.00	604.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481541	A	.00	.00	619.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481542	A	.00	.00	634.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481543	A	.00	.00	649.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481544	A	.00	.00	665.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481545	A	.00	.00	681.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481546	A	.00	.00	698.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481307	A	.00	.00	715.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481547	A	.00	.00	732.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481548	A	.00	.00	750.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481549	A	.00	.00	768.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481550	A	.00	.00	787.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481551	A	.00	.00	806.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0479094	A	.00	.00	825.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481552	A	.00	.00	845.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481553	A	.00	.00	866.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481554	A	.00	.00	887.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481555	A	.00	.00	909.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481556	A	.00	.00	931.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481557	A	.00	.00	953.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
0481558	A	.00	.00	976.00		1.00	1.00	.00	500	100	FILM	420	150	1500	28	0217089
TOTAL RECORDS			537													

PASSIVE COMPONENTS MANUAL

FILM RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

23539 - Specials (1 W, 2 W, ≥ 2 W)

PG. 1 06/30/82 23:11 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 23539 DR/PWR/W EQ 1.0 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
8519567	C	10.00	.00	.00		1.00	1.00	1.00			FILM	900	328	1500	34	0000000
0483410	A	.00	1.78	.00		1.00	1.00	1.00			50 FILM	1125	415	1500	34	0000000
0483405	A	.00	2.26	.00		1.00	1.00	1.00			100 FILM	1125	415	1500	34	0000000
2145016	A	.00	2.40	.00		1.00	1.00	1.00			100 FILM	958	313	1500	25	0000000
0483439	A	.00	3.01	.00		1.00	1.00	1.00			100 FILM	1125	343	1500	35	0000000
0483450	A	.00	3.03	.00		1.00	1.00	1.00			100 FILM	1124	437	1500	35	0000000
1582871	A	.00	4.30	.00		5.00	5.00	1.00			500 FILM	400	150	1500	34	0000000
8519566	C	.00	10.00	.00		20.00	20.00	1.00			FILM	1030	340	1500	33	0000000
0253738	A	.00	56.00	.00		1.00	1.00	1.00			100 FILM	1062	406	1500	35	0000000
8519693	A	.00	.00	1.00		5.00	5.00	1.00			200 FILM	400	148	1500	34	0000000
0814314	A	.00	.00	226.00		1.00	1.00	1.00			100 FILM	570	200	1500	35	0000000
TOTAL RECORDS																
8493504	C	2.00	.00	.00		15.00	15.00	2.00			400 FILM	1100	145	1000	34	0000000
0481207	C	50.00	.00	.00		5.00	5.00	2.00			100 FILM	1100	145	1000	34	0000000
0483404	A	.00	2.87	.00		1.00	1.00	2.00			100 FILM	2254	415	1500	34	0000000
2396481	C	.00	6.20	.00		1.00	1.00	2.00			100 FILM	728	336	1500	47	0000000
2109489	A	.00	51.00	.00		1.00	1.00	2.00			100 FILM	2254	415	1500	35	0000000
0483325	A	.00	.00	32.40		1.00	1.00	2.00			100 FILM	2254	415	1500	35	0000000
0483326	A	.00	.00	33.20		1.00	1.00	2.00			100 FILM	2254	415	1500	35	0000000
0483066	A	.00	.00	36.50		1.00	1.00	2.00			100 FILM	2254	415	1500	35	0000000
0483068	A	.00	.00	38.30		1.00	1.00	2.00			100 FILM	2254	415	1500	35	0000000
0483067	A	.00	.00	39.20		1.00	1.00	2.00			100 FILM	2254	415	1500	35	0000000
0492424	A	.00	.00	40.20		1.00	1.00	2.00			100 FILM	719	400	1500	35	0000000
8493817	A	.00	.00	51.00		5.00	5.00	2.00			200 FILM	710	320	1500	34	0000000
8493818	A	.00	.00	100.00		5.00	5.00	2.00			200 FILM	710	320	1500	34	0000000
5617155	C	.00	.00	127.00		1.00	1.00	2.00			100 FILM	565	233	1500	34	0000000
TOTAL RECORDS																

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Film Resistors

PG. 1 06/30/82 23:12 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 2353\$ DR/PWR/W GT 2.0 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
8493373	C	1.00	.00	.00	1.00	1.00	1.00	4.00	50	FILM	1010	260	1500	42	00000000	
8493517	A	1.00	.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493505	L	50.00	.00	.00	15.00	15.00	15.00	4.00	400	FILM	2100	145	1000	34	00000000	
8493506	L	100.00	.00	.00	15.00	15.00	15.00	4.00	400	FILM	2100	145	1000	34	00000000	
8493376	C	150.00	.00	.00	10.00	10.00	10.00	3.00	500	FILM	2112	320	1500	34	00000000	
8493375	C	300.00	.00	.00	2.00	2.00	2.00	3.00	250	FILM	2112	320	1500	34	00000000	
8493152	A	.00	1.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8278907	C	.00	1.30	.00	5.00	5.00	5.00	10.00	200	FILM	2094	344	1250	34	00000000	
8278908	C	.00	1.80	.00	5.00	5.00	5.00	10.00	200	FILM	2094	344	1250	34	00000000	
2396675	C	.00	3.00	.00	5.00	5.00	5.00	5.00	250	FILM	1756	395	1500	34	00000000	
8493427	A	.00	3.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493250	A	.00	3.60	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8519110	A	.00	6.20	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
0438869	A	.00	10.00	.00	5.00	5.00	5.00	3.00	250	FILM	1000	329	1500	32	00000000	
0438870	A	.00	15.00	.00	5.00	5.00	5.00	3.00	250	FILM	1000	329	1500	32	00000000	
8493153	A	.00	16.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493698	A	.00	20.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493428	A	.00	22.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8519111	A	.00	36.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493426	A	.00	43.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493251	A	.00	50.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493429	A	.00	75.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493372	C	.00	82.00	.00	5.00	5.00	5.00	10.00	50	FILM	1320	390	1500	42	00000000	
4481743	A	.00	120.00	.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
0483436	A	.00	750.00	.00	1.00	1.00	1.00	10.00	100	FILM	3062	413	1500	24	00000000	
8493515	A	.00	.00	30.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493915	A	.00	.00	30.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
4481087	A	.00	.00	39.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493779	A	.00	.00	45.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493985	A	.00	.00	51.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493516	A	.00	.00	100.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493118	A	.00	.00	150.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493119	A	.00	.00	200.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8493916	A	.00	.00	220.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
6823712	A	.00	.00	249.00	5.00	5.00	5.00	3.00	200	FILM	718	320	1500	34	00000000	
0492583	C	.00	.00	300.00	5.00	5.00	5.00	7.00	250	FILM	2122	350	1500	35	00000000	
8493643	A	.00	.00	300.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
8519514	A	.00	.00	316.00	1.00	1.00	1.00	3.00	100	FILM	525	233	1000	34	00000000	
8493230	A	.00	.00	360.00	5.00	5.00	5.00	3.00	200	FILM	525	233	1500	34	00000000	
4429754	C	.00	.00	510.00	5.00	5.00	5.00	10.00	200	FILM	2094	344	1250	34	00000000	
0483338	A	.00	.00	560.00	5.00	5.00	5.00	3.00	FILM	1000	370	1350	34	00000000		
2278906	C	.00	.00	620.00	5.00	5.00	5.00	10.00	200	FILM	2094	344	1250	34	00000000	
0483337	C	.00	.00	680.00	5.00	5.00	5.00	3.00	250	FILM	1000	370	1350	34	00000000	
0483336	C	.00	.00	750.00	5.00	5.00	5.00	3.00	250	FILM	1000	370	1350	34	00000000	
TOTAL RECORDS																44

E45-0359 Rev. 2

IBM Internal Use Only

2-104
September 15, 1982

PASSIVE COMPONENTS MANUAL

WIREWOUND RESISTORS

Component Data Bank - P/N Catalog

DSC CODES

23581 - Type I Tub

PG. 1 06/30/82 23:13 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 23581 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0282436	A	.00	.00	.00	.00	.00	.00	.00								0000000
0483382	A	.00	.00	.00	.00	.00	.00	.00						NO	DATA	0000000
1589955	C	.00	.00	.00	.00	.00	.00	.00						MULT	RES.	0000000
0184238	A	1.35	.00	.00	2.50	2.50	2.50	.00	500	200	WW1	2500	407	1500	36	0000000
0184094	A	2.70	.00	.00	2.50	2.50	2.50	.00	500	200	WW1	2500	407	1500	36	0000000
0301808	C	.00	1.00	.00	5.00	5.00	5.00	25.00		200	WW1	2062	781	1500	34	0000000
0317330	A	.00	1.00	.00	5.00	5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
5114747	A	.00	1.00	.00	5.00	5.00	5.00	3.00		200	WW1	562	250	1500	34	0000000
1582894	A	.00	1.05	.00	2.00	2.00	2.00	25.00		200	WW1	2000	625	1500	34	0000000
0092740	A	.00	1.20	.00	5.00	5.00	5.00	20.00		200	WW1	2000	563	1500	34	0000000
0287394	A	.00	1.20	.00	5.00	5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0339200	A	.00	1.20	.00	5.00	5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0444987	A	.00	1.20	.00	10.00	10.00	10.00	20.00		200	WW1	2062	687	1500	34	0000000
0473793	A	.00	1.20	.00	5.00	5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
8519330	A	.00	1.20	.00	5.00	5.00	5.00	12.50		200	WW1	1750	440	1500	43	0000000
0813236	A	.00	1.25	.00	5.00	5.00	5.00	25.00		200	WW1	2718	281	1500	34	0000000
0099836	A	.00	1.50	.00	10.00	10.00	10.00	5.00		200	WW1	1000	313	1500	34	0000000
0317368	A	.00	1.50	.00	5.00	5.00	5.00	10.00		200	WW1	1812	469	2375	34	0000000
0356560	C	.00	1.50	.00	5.00	5.00	5.00	10.00		200	WW1	1812	437	1250	45	0000000
0359959	A	.00	1.50	.00	5.00	5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0442960	A	.00	1.50	.00	5.00	5.00	5.00	25.00		200	WW1	2062	687	1500	34	0000000
0510962	A	.00	1.50	.00	5.00	5.00	5.00	10.00		200	WW1	1812	500	1500	34	0000000
2114059	A	.00	1.50	.00	5.00	5.00	5.00	5.00		200	WW1	1062	500	1500	34	0000000
2114084	C	.00	1.50	.00	5.00	5.00	5.00	100.00		200	WW1	6562	1156	1500	34	0000000
5615442	A	.00	1.60	.00	10.00	10.00	10.00	10.00		260	WW1	1812	312	1500	34	0000000
4481792	A	.00	1.80	.00	5.00	5.00	5.00	12.50		200	WW1	1750	440	1500	43	0000000
0341509	A	.00	2.00	.00	5.00	5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0443049	A	.00	2.00	.00	5.00	5.00	5.00	20.00		200	WW1	2062	687	1500	34	0000000
0473258	A	.00	2.00	.00	5.00	5.00	5.00	25.00		200	WW1	2062	687	1500	34	0000000
2102532	A	.00	2.00	.00	5.00	5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0207229	A	.00	2.20	.00	5.00	5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0473143	A	.00	2.25	.00	5.00	5.00	5.00	20.00		200	WW1	2062	625	1500	34	0000000
2109411	A	.00	2.50	.00	5.00	5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0511076	A	.00	2.80	.00	2.00	2.00	2.00	10.00		200	WW1	1812	469	1500	34	0000000
0213553	A	.00	3.00	.00	5.00	5.00	5.00	10.00		200	WW1	1812	375	1500	34	0000000
0301811	C	.00	3.00	.00	5.00	5.00	5.00	37.00		200	WW1	3030	750	1500	34	0000000
0438811	A	.00	3.00	.00	5.00	5.00	5.00	25.00		200	WW1	2062	781	1500	34	0000000
0476459	A	.00	3.00	.00	5.00	5.00	5.00	50.00		200	WW1	4062	812	1500	34	0000000
0511307	A	.00	3.00	.00	2.00	2.00	2.00	10.00		200	WW1	1812	469	1500	34	0000000
2100879	A	.00	3.00	.00	5.00	5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
8493781	A	.00	3.00	.00	5.00	5.00	5.00	12.50		200	WW1	1750	440	1500	43	0000000
0098696	A	.00	3.50	.00	5.00	5.00	5.00	5.00		200	WW1	1000	313	1500	34	0000000
0124637	A	.00	3.50	.00	5.00	5.00	5.00	10.00		200	WW1	1812	375	1500	34	0000000
2114049	A	.00	3.50	.00	5.00	5.00	5.00	5.00		200	WW1	1062	500	1500	34	0000000
0252803	A	.00	4.00	.00	10.00	10.00	10.00	5.00		200	WW1	1062	437	1500	34	0000000
0511077	A	.00	4.00	.00	2.00	2.00	2.00	10.00		200	WW1	1812	469	1500	34	0000000
2100129	A	.00	4.00	.00	5.00	5.00	5.00	25.00		200	WW1	2062	781	1500	34	0000000
8493252	A	.00	4.00	.00	5.00	5.00	5.00	12.50		200	WW1	1750	440	1500	43	0000000

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Wirewound Resistors

PG. 2 06/30/82 23:13 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23581 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
4481978	A	.00	4.60	.00	5.00	5.00	12.50		200	WW1	1810	440	1500	43	0000000
0091432	A	.00	5.00	.00	5.00	5.00	25.00		200	WW1	2062	687	LUG	LUG	0000000
0169136	C	.00	5.00	.00	5.00	5.00	10.00			LUG	1750	313	1750	LUG	0000000
0303542	A	.00	5.00	.00	5.00	5.00	50.00		200	WW1	4562	781	LUG	LUG	0000000
0472557	A	.00	5.00	.00	5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0254968	A	.00	6.00	.00	5.00	5.00	25.00		200	WW1	2062	687	LUG	LUG	0000000
8493253	A	.00	6.00	.00	5.00	5.00	12.50			WW1	1750	440	1500	43	0000000
4481979	A	.00	6.80	.00	5.00	5.00	12.50		200	WW1	1810	440	1500	43	0000000
0301820	A	.00	7.00	.00	5.00	5.00	25.00		200	WW1	2062	781	LUG	LUG	0000000
0301719	A	.00	7.50	.00	5.00	5.00	10.00		200	WW1	1937	469	1500	34	0000000
0253830	A	.00	8.00	.00	10.00	10.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
8519490	A	.00	8.00	.00	5.00	5.00	12.50		200	WW1	1750	440	1500	43	0000000
8493701	A	.00	8.60	.00	5.00	5.00	12.50			WW1	1750	440	1500	43	0000000
0253739	A	.00	10.00	.00	5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0301821	A	.00	10.00	.00	5.00	5.00	25.00		200	WW1	2062	687	LUG	LUG	0000000
0437458	A	.00	10.00	.00	10.00	10.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0504874	A	.00	10.00	.00	5.00	5.00	5.00		200	WW1	1030	440	LUG	LUG	0000000
0504872	A	.00	11.00	.00	5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0214473	A	.00	12.50	.00	5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0252819	A	.00	15.00	.00	10.00	10.00	5.00		200	WW1	1093	375	1500	34	0000000
0483365	A	.00	15.00	.00	5.00	5.00	20.00		200	WW1	2630	380	LUG	LUG	0000000
8519485	A	.00	16.00	.00	5.00	5.00	12.50		200	WW1	1750	440	1500	43	0000000
1582963	A	.00	18.00	.00	5.00	5.00	5.00		200	WW1	1000	343	1500	32	0000000
0253505	A	.00	20.00	.00	10.00	10.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0356102	C	.00	20.00	.00	5.00	5.00	10.00		200	WW1	1812	437	1250	45	0000000
1589303	A	.00	20.00	.00	5.00	5.00	5.00		260	WW1	969	218	1500	34	0000000
0510972	A	.00	30.00	.00	5.00	5.00	10.00		200	WW1	1766	313	LUG	LUG	0000000
0253329	A	.00	35.00	.00	10.00	10.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0317217	A	.00	50.00	.00	5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0510930	A	.00	50.00	.00	5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0254661	A	.00	.00	1.00	10.00	10.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0419150	A	.00	.00	1.00	10.00	10.00	10.00		200	WW1	1812	469	1500	34	0000000
0476363	A	.00	.00	1.00	10.00	10.00	5.00		200	WW1	1062	500	LUG	LUG	0000000
0512074	A	.00	.00	1.00	5.00	5.00	25.00		200	WW1	2000	625	LUG	LUG	0000000
2129348	A	.00	.00	1.00	10.00	10.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
2448651	A	.00	.00	1.00	10.00	10.00	155.00			WW1	4312	1438	LUG	LUG	0000000
5261351	A	.00	.00	1.00	5.00	5.00	50.00		200	WW1	4031	593	LUG	LUG	0000000
5615976	A	.00	.00	1.00	5.00	5.00	35.00		260	WW1	3000	562	LUG	LUG	0000000
5617060	A	.00	.00	1.00	5.00	5.00	20.00		200	WW1	2532	640	LUG	LUG	0000000
1589333	A	.00	.00	1.20	5.00	5.00	20.00		100	WW1	2020	570	LUG	LUG	0000000
8493699	A	.00	.00	1.30	5.00	5.00	12.50			WW1	1750	440	1500	43	0000000
1582750	A	.00	.00	1.50	10.00	10.00	175.00		200	WW1	6062	1343	LUG	LUG	0000000
2391624	A	.00	.00	1.50	10.00	10.00	100.00		200	WW1	6562	874	LUG	LUG	0000000
2129253	A	.00	.00	2.00	10.00	10.00	12.50		200	WW1	1750	440	1380	43	0000000
2396504	A	.00	.00	2.00	5.00	5.00	100.00		200	WW1	6560	1440	LUG	LUG	0000000
5214076	A	.00	.00	2.00	5.00	5.00	10.00		200	WW1	1812	469	1625	34	0000000
0351289	A	.00	.00	2.50	10.00	10.00	10.00		200	WW1	1812	500	LUG	LUG	0000000
1589321	A	.00	.00	2.60	.00	5.00	5.00		260	WW1	953	234	1500	35	0000000

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Wirewound Resistors

PG. 3 06/30/82 23:13 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 23581 DR/PARI NO/LIMIT.

PART NUMBER	T U	RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL		POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY		LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAWN NUM.
						%	%					MX-LGTH MILS	MX-DIA MILS			
8493700	A	.00	.00	2.60		5.00	5.00	12.50			WW1	1750	440	1500	43	0000000
0620232	A	.00	.00	3.00		10.00	10.00	25.00		200	WW1	2062	781	LUG	LUG	0000000
1582541	A	.00	.00	3.00		5.00	5.00	20.00		100	WW1	2020	570	LUG	LUG	0000000
2502192	A	.00	.00	3.00		5.00	5.00	100.00			WW1	6500	1225	LUG	LUG	0000000
4481041	A	.00	.00	3.00		5.00	5.00	10.00			WW1	1812	343	1500	34	0000000
0367101	A	.00	.00	3.30		10.00	10.00	2.00		200	WW1	375	187	1500	37	0000000
5615879	A	.00	.00	4.00		5.00	5.00	50.00		260	WW1	4000	562	LUG	LUG	0000000
0313905	A	.00	.00	5.00		10.00	10.00	10.00		200	WW1	1812	469	1500	35	0000000
0322465	C	.00	.00	5.00		10.00	10.00	100.00		200	WW1	6500	750	LUG	LUG	0000000
0479750	A	.00	.00	5.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
2392053	A	.00	.00	5.00		5.00	5.00	70.00		200	WW1	5062	1000	LUG	LUG	0000000
2396546	A	.00	.00	5.00		5.00	5.00	300.00		200	WW1	8562	1406	LUG	LUG	0000000
2396984	C	.00	.00	5.00		5.00	5.00	12.00		100	WW1	1770	440	LUG	LUG	0000000
4430068	A	.00	.00	5.00		5.00	5.00	25.00			WW1	2062	750	LUG	LUG	0000000
5616022	A	.00	.00	5.00		5.00	5.00	50.00		260	WW1	4000	719	LUG	LUG	0000000
1589304	A	.00	.00	5.10		5.00	5.00	2.00		260	WW1	406	203	1500	34	0000000
0854894	A	.00	.00	6.00		5.00	5.00	100.00			WW1	6500	1250	LUG	LUG	0000000
5615308	A	.00	.00	6.00		5.00	5.00	50.00		260	WW1	4000	719	LUG	LUG	0000000
5615309	A	.00	.00	7.00		5.00	5.00	50.00		260	WW1	4000	719	LUG	LUG	0000000
8279294	A	.00	.00	7.00		5.00	5.00	300.00		260	WW1	8562	1375	LUG	LUG	0000000
2392055	A	.00	.00	7.50		5.00	5.00	20.00		200	WW1	2062	687	LUG	LUG	0000000
2396839	A	.00	.00	7.50		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
1582872	A	.00	.00	9.00		1.00	1.00	100.00			WW1	6500	1175	LUG	LUG	0000000
0253181	C	.00	.00	10.00		5.00	5.00	25.00		200	WW1	2062	781	LUG	LUG	0000000
0283155	C	.00	.00	10.00		10.00	10.00	12.00		200	WW1	1750	440	LUG	LUG	0000000
0472715	A	.00	.00	10.00		5.00	5.00	20.00		200	WW1	2062	687	LUG	LUG	0000000
0528454	A	.00	.00	10.00		5.00	5.00	10.00		200	WW1	1750	312	LUG	LUG	0000000
0556403	A	.00	.00	10.00		5.00	5.00	25.00		200	WW1	2062	781	LUG	LUG	0000000
2122128	A	.00	.00	10.00		5.00	5.00	50.00		200	WW1	4531	938	LUG	LUG	0000000
2391645	A	.00	.00	10.00		5.00	5.00	300.00		200	WW1	8562	1135	LUG	LUG	0000000
2396765	A	.00	.00	10.00		5.00	5.00	50.00		200	WW1	4031	749	LUG	LUG	0000000
4430066	A	.00	.00	10.00		5.00	5.00	50.00		260	WW1	4000	719	LUG	LUG	0000000
8519426	A	.00	.00	10.00		5.00	5.00	55.00		200	WW1	4750	800	QKDT	QKDT	0000000
5615310	A	.00	.00	12.00		5.00	5.00	50.00		260	WW1	4000	719	LUG	LUG	0000000
0135823	A	.00	.00	12.50		.00	.00	.00		200	WW1	5000	813	SLRG	SLRG	0000000
2391623	A	.00	.00	13.00		5.00	5.00	60.00		200	WW1	3530	1030	LUG	LUG	0000000
2495622	A	.00	.00	13.00		5.00	5.00	50.00		200	WW1	4030	750	LUG	LUG	0000000
8493151	A	.00	.00	14.00		5.00	5.00	10.00			WW1	1812	479	1500	34	0000000
0482499	A	.00	.00	15.00		5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0520546	A	.00	.00	15.00		10.00	10.00	5.00		200	WW1	1125	438	1250	32	0000000
0822001	A	.00	.00	15.00		5.00	5.00	40.00		200	WW1	3270	1582	LUG	LUG	0000000
5615311	A	.00	.00	15.00		5.00	5.00	50.00		260	WW1	4000	719	LUG	LUG	0000000
8279271	A	.00	.00	18.00		5.00	5.00	50.00		260	WW1	4000	719	310	LUG	0000000
0124695	A	.00	.00	20.00		5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0595261	A	.00	.00	20.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
1582569	A	.00	.00	20.00		10.00	10.00	25.00			WW1	2000	484	LUG	LUG	0000000
5615592	A	.00	.00	20.00		5.00	5.00	50.00		260	WW1	4000	562	LUG	LUG	0000000
2495440	A	.00	.00	23.00		10.00	10.00	400.00			WW1	8562	1906	LUG	LUG	0000000

E45-0359 Rev. 2

IBM Internal Use Only

2-107

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Wirewound Resistors

PG. 4 06/30/82 23:13 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23581 DR/PART NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0610377	A	.00	.00	24.00		5.00	5.00	5.00		200	WW1	1093	375	1500	35	0000000
0184091	A	.00	.00	25.00		.00	.00	5.00		200	WW1	3250	625	LUG	LUG	0000000
0208825	A	.00	.00	25.00		10.00	10.00	50.00		200	WW1	4062	906	LUG	LUG	0000000
0317357	A	.00	.00	25.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0332791	A	.00	.00	25.00		5.00	5.00	25.00		260	WW1	2000	750	LUG	LUG	0000000
0805227	A	.00	.00	25.00		10.00	10.00	10.00		200	WW1	1812	374	LUG	LUG	0000000
2123009	A	.00	.00	25.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
2396505	A	.00	.00	25.00		5.00	5.00	50.00		200	WW1	4031	750	LUG	LUG	0000000
5616023	A	.00	.00	25.00		5.00	5.00	50.00		260	WW1	4000	719	LUG	LUG	0000000
2396603	A	.00	.00	27.00		5.00	5.00	75.00		60	WW1	5062	900	LUG	LUG	0000000
0482385	A	.00	.00	30.00		10.00	10.00	10.00		200	WW1	1812	374	LUG	LUG	0000000
0483290	A	.00	.00	30.00		1.00	2.00	3.00		200	WW1	562	250	1500	34	0000000
0483521	A	.00	.00	30.00		5.00	5.00	25.00		200	WW1	2030	625	LUG	LUG	0000000
0609421	A	.00	.00	30.00		10.00	10.00	10.00		200	WW1	1812	469	1500	34	0000000
0802359	A	.00	.00	30.00		1.00	1.00	.00	500	WW1	500	500	LUG	LUG	0000000	
2132040	A	.00	.00	30.00		5.00	5.00	7.00		200	WW1	1093	375	1500	50	0000000
0483023	A	.00	.00	31.20		1.00	2.00	10.00		200	WW1	1812	469	1500	34	0000000
0483022	A	.00	.00	32.20		1.00	2.00	3.00		200	WW1	562	250	1500	34	0000000
0483001	A	.00	.00	34.30		1.00	2.00	3.00		200	WW1	562	250	1500	34	0000000
1590223	A	.00	.00	35.00		1.00	1.00	12.00		260	WW1	1750	312	LUG	LUG	0000000
8519427	A	.00	.00	35.00		5.00	5.00	55.00		200	WW1	4750	800	QKDT	QKDT	0000000
0483021	A	.00	.00	35.80		1.00	2.00	3.00		200	WW1	562	250	1500	34	0000000
0492648	A	.00	.00	37.40		1.00	2.00	3.00		200	WW1	562	250	1500	34	0000000
0194579	A	.00	.00	40.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0241318	A	.00	.00	40.00		5.00	5.00	5.00		200	WW1	1093	375	1500	35	0000000
0253788	A	.00	.00	40.00		10.00	10.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
1582953	A	.00	.00	40.00		1.00	1.00	25.00		200	WW1	2000	562	LUG	LUG	0000000
2392054	A	.00	.00	40.00		5.00	5.00	75.00		200	WW1	5062	900	LUG	LUG	0000000
8493182	A	.00	.00	40.00		10.00	10.00	10.00			WW1	1812	375	LUG	LUG	0000000
0317124	A	.00	.00	50.00		10.00	10.00	10.00			WW1	1032	520	LUG	LUG	0000000
0440510	A	.00	.00	50.00		5.00	5.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0470383	A	.00	.00	50.00		5.00	5.00	50.00		200	WW1	4000	906	LUG	LUG	0000000
0472611	A	.00	.00	50.00		5.00	5.00	25.00		200	WW1	2062	687	LUG	LUG	0000000
0501551	A	.00	.00	50.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0505301	A	.00	.00	50.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
1589013	A	.00	.00	56.00		5.00	5.00	3.25		200	WW1	562	250	1500	40	0000000
0159785	A	.00	.00	60.00		5.00	5.00	200.00		200	WW1	12250	1125	SCMT	SCMT	0000000
1582954	A	.00	.00	60.00		1.00	1.00	15.00		200	WW1	1532	437	LUG	LUG	0000000
0492571	A	.00	.00	65.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0208190	A	.00	.00	70.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0221517	A	.00	.00	75.00		5.00	5.00	10.00		200	WW1	1812	500	LUG	LUG	0000000
0337420	A	.00	.00	75.00		10.00	10.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0440512	A	.00	.00	75.00		5.00	5.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0518068	A	.00	.00	75.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0597437	A	.00	.00	75.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
2102172	A	.00	.00	75.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
2391635	A	.00	.00	75.00		1.00	2.00	20.00		200	WW1	2062	938	LUG	LUG	0000000
0814115	A	.00	.00	80.00		1.00	2.00	40.00		200	WW1	3270	1582	LUG	LUG	0000000

E45-0359 Rev. 2

IBM Internal Use Only

2-108

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 5 06/30/82 23:13 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23581 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
2391636	A	.00	.00	82.00		1.00	2.00	20.00			WW1	2062	938	LUG	LUG	0000000
2391910	A	.00	.00	82.00		5.00	5.00	10.00			WW1	1812	469	1500	34	0000000
0814116	A	.00	.00	83.00		1.00	2.00	40.00			WW1	3270	1582	LUG	LUG	0000000
0492686	A	.00	.00	90.00		1.00	2.00	5.00			WW1	1093	375	1500	34	0000000
0207338	A	.00	.00	100.00		5.00	5.00	5.00			WW1	1093	375	1500	34	0000000
0220365	A	.00	.00	100.00		5.00	5.00	50.00			WW1	5625	750	LUG	LUG	0000000
0222553	A	.00	.00	100.00		5.00	5.00	50.00		200	WW1	4062	812	LUG	LUG	0000000
0285955	A	.00	.00	100.00		5.00	5.00	20.00		200	WW1	2020	560	LUG	LUG	0000000
0472539	A	.00	.00	100.00		5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0476457	A	.00	.00	100.00		5.00	5.00	100.00		200	WW1	6562	1437	LUG	LUG	0000000
0507142	A	.00	.00	100.00		5.00	5.00	25.00		200	WW1	2062	687	LUG	LUG	0000000
1142820	A	.00	.00	100.00		5.00	5.00	3.00		200	WW1	562	250	1500	34	0000000
2102508	A	.00	.00	100.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
5214079	A	.00	.00	100.00		1.00	2.00	10.00		200	WW1	2563	750	LUG	LUG	0000000
0725327	A	.00	.00	103.00		1.00	1.00	40.00		200	WW1	3250	1562	LUG	LUG	0000000
0492681	A	.00	.00	116.00		1.00	2.00	10.00			WW1	2315	937	LUG	LUG	0000000
0361571	A	.00	.00	120.00		1.00	1.00	5.00		200	WW1	1093	375	1500	34	0000000
0473456	A	.00	.00	120.00		10.00	10.00	50.00		200	WW1	4062	906	LUG	LUG	0000000
0253773	A	.00	.00	125.00		10.00	10.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0813219	A	.00	.00	125.00		1.00	2.00	20.00		200	WW1	2062	624	LUG	LUG	0000000
2123011	A	.00	.00	125.00		5.00	5.00	3.00		200	WW1	562	250	1500	34	0000000
0184090	A	.00	.00	130.00		5.00	5.00	25.00		200	WW1	3687	750	LUG	LUG	0000000
0483383	A	.00	.00	130.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0814120	A	.00	.00	130.00		1.00	2.00	20.00		200	WW1	2500	875	LUG	LUG	0000000
0125457	A	.00	.00	150.00		.00	.00	.00			ADJ	4750				0000000
0253772	A	.00	.00	150.00		10.00	10.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0337626	A	.00	.00	150.00		5.00	5.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0440514	A	.00	.00	150.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0476367	A	.00	.00	150.00		5.00	5.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0512590	A	.00	.00	150.00		10.00	10.00	50.00		200	WW1	4000	563	LUG	LUG	0000000
2102625	A	.00	.00	150.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0207292	A	.00	.00	160.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0221110	A	.00	.00	200.00		5.00	5.00	25.00		200	WW1	2062	780	LUG	LUG	0000000
0253787	A	.00	.00	200.00		10.00	10.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0285956	A	.00	.00	200.00		10.00	10.00	20.00		200	WW1	2062	687	LUG	LUG	0000000
0303653	A	.00	.00	200.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0317190	A	.00	.00	200.00		5.00	5.00	10.00		200	WW1	1875	469	1500	34	0000000
0477144	A	.00	.00	200.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0505296	A	.00	.00	200.00		5.00	5.00	25.00		200	WW1	2062	781	LUG	LUG	0000000
0524985	A	.00	.00	200.00		5.00	5.00	5.00		200	WW1	1062	313	LUG	LUG	0000000
2123012	A	.00	.00	200.00		5.00	5.00	3.00		200	WW1	562	250	1500	34	0000000
2174167	C	.00	.00	200.00		5.00	5.00	20.00		200	WW1	2656	875	LUG	LUG	0000000
8493780	A	.00	.00	200.00		5.00	5.00	12.50			WW1	1750	440	1500	43	0000000
0207354	A	.00	.00	220.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0142434	A	.00	.00	240.00		.00	.00	215.00		200	WW1	12250	1125	SCMT	SCMT	0000000
0207336	A	.00	.00	250.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0472556	A	.00	.00	250.00		5.00	5.00	100.00		200	WW1	6562	1437	LUG	LUG	0000000
0472560	A	.00	.00	250.00		5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000

PASSIVE COMPONENTS MANUAL

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CALL REEL DCS#N EQ 23581 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL		POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY		LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
					+	-					MX-LGTH MILS	MX-DIA MILS			
0472572 A	.00	.00	250.00		5.00	5.00	50.00		200	WW1	4062	812	LUG	LUG	0000000
2102363 A	.00	.00	250.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
2102582 A	.00	.00	250.00		5.00	5.00	25.00		200	WW1	2062	687	LUG	LUG	0000000
5615975 A	.00	.00	250.00		5.00	5.00	200.00		260	WW1	15000	1125	LUG	LUG	0000000
0207337 A	.00	.00	270.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0113616 A	.00	.00	300.00		5.00	5.00	45.00		200	WW1	5062	817	SLRG	SLRG	0000000
0253527 A	.00	.00	300.00		5.00	5.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0515821 A	.00	.00	300.00		5.00	5.00	25.00		200	WW1	2062	687	LUG	LUG	0000000
2102627 A	.00	.00	300.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0207325 A	.00	.00	330.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0317358 A	.00	.00	350.00		10.00	10.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0443052 A	.00	.00	350.00		5.00	5.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0512285 A	.00	.00	350.00		5.00	5.00	5.00		200	WW1	1000	313	LUG	LUG	0000000
0419207 A	.00	.00	390.00		5.00	5.00	5.00		200	WW1	562	250	1500	34	0000000
0208240 A	.00	.00	400.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
2124266 A	.00	.00	400.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0301805 A	.00	.00	500.00		5.00	5.00	25.00		200	WW1	2062	687	LUG	LUG	0000000
0317369 A	.00	.00	500.00		5.00	5.00	10.00		200	WW1	1843	469	1656	34	0000000
0338571 A	.00	.00	500.00		10.00	10.00	10.00		200	WW1	1812	469	1500	34	0000000
0472566 A	.00	.00	500.00		5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0736651 A	.00	.00	500.00		5.00	5.00	25.00		200	WW1	2062	687	LUG	LUG	0000000
2102155 A	.00	.00	500.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
5615316 A	.00	.00	500.00		5.00	5.00	12.00		260	WW1	1750	322	LUG	LUG	0000000
0207331 A	.00	.00	560.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
0441170 A	.00	.00	560.00		5.00	5.00	3.00		200	WW1	562	250	1500	34	0000000
0113618 A	.00	.00	600.00		5.00	5.00	42.00		200	WW1	5000	813	SLRG	SLRG	0000000
0332605 A	.00	.00	600.00		5.00	5.00	5.00		200	WW1	1062	437	LUG	LUG	0000000
0444062 C	.00	.00	600.00		5.00	5.00	5.00		200	WW1	1093	375	1500	37	0000000
2102425 A	.00	.00	600.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
1582873 A	.00	.00	681.00		2.00	2.00	50.00		250	WW1	4750	656	LUG	LUG	0000000
0492564 A	.00	.00	700.00		5.00	5.00	5.00		200	WW1	1093	375	1500	34	0000000
2114058 A	.00	.00	700.00		5.00	5.00	5.00		200	WW1	1062	500	LUG	LUG	0000000
0443050 A	.00	.00	750.00		5.00	5.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
2102154 A	.00	.00	750.00		5.00	5.00	10.00		200	WW1	1812	469	1500	34	0000000
0207290 A	.00	.00	770.00		5.00	5.00	5.00		200	WW1	1093	375	1500	40	0000000
0013995 A	.00	.00	800.00		5.00	5.00	5.00		200	WW1	5000	813	SLRG	SLRG	0000000
0098692 A	.00	.00	800.00		5.00	5.00	5.00		200	WW1	1000	313	LUG	LUG	0000000
0253769 A	.00	.00	800.00		10.00	10.00	10.00		200	WW1	1812	375	LUG	LUG	0000000
0492677 A	.00	.00	825.00		1.00	1.00	2.00		200	WW1	450	250	1500	34	0000000
0208766 A	.00	.00		100	10.00	10.00	5.00		200	WW1	1000	312	LUG	LUG	0000000
2397013 A	.00	.00		100	5.00	5.00	9.00		100	WW1	1280	344	1500	40	0000000
0730452 C	.00	.00		120	10.00	10.00	90.00		200	WW1	4120	880	LUG	LUG	0000000
2392052 A	.00	.00		150	5.00	5.00	50.00		200	WW1	4062	812	LUG	LUG	0000000
0730426 A	.00	.00		180	10.00	10.00	90.00		200	WW1	4120	880	LUG	LUG	0000000
5617059 A	.00	.00		200	5.00	5.00	20.00		200	WW1	2532	640	LUG	LUG	0000000
1582749 A	.00	.00		500	10.00	10.00	75.00		200	WW1	3562	1031	LUG	LUG	0000000
2396988 C	.00	.00		500	5.00	5.00	12.00		100	WW1	1770	440	LUG	LUG	0000000
5615315 A	.00	.00		500	5.00	5.00	12.00		260	WW1	1750	322	LUG	LUG	0000000
5615991 A	.00	.00		500	1.00	1.00	15.00		260	WW1	1000	375	LUG	LUG	0000000
2391612 A	.00	.00		625	1.00	1.00	5.00		200	WW1	1062	343	LUG	LUG	0000000
8493917 A	.00	.00		650	5.00	5.00	12.50		200	WW1	1810	440	1500	43	0000000
TOTAL RECORDS		291													

E45-0359 Rev. 2

IBM Internal Use Only

2-110

September 15, 1982

PASSIVE COMPONENTS MANUAL

WIREWOUND RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

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23582 - Type II

PG. 1 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23582 DR/PART NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC RES PPM	TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0207379	A	.00	1.00	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0620264	A	.00	1.00	.00	1.00	1.00	3.00		20	WW2	812	282	1500	42	0441161
2391913	A	.00	1.00	.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
5214822	A	.00	1.00	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0483384	A	.00	1.02	.00	1.00	1.00	7.00		30	WW2	1375	344	1500	43	0207330
2391615	A	.00	1.10	.00	1.00	1.00	.00	500	30	WW2	343	125	1750	23	0000000
5214898	A	.00	1.10	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0483418	A	.00	1.16	.00	1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
2132171	A	.00	1.17	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0207374	A	.00	1.20	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
5796432	A	.00	1.21	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0441173	A	.00	1.22	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0208987	A	.00	1.25	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
5052884	A	.00	1.27	.00	1.00	1.00	1.00		20	WW2	436	125	1500	34	0207321
0207377	A	.00	1.30	.00	5.00	5.00	5.00		30	WW2	1000	343	1500	43	0207228
0813212	A	.00	1.30	.00	1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
0813225	A	.00	1.30	.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
2218793	A	.00	1.30	.00	5.00	5.00	1.00		30	WW2	436	125	1500	34	0207321
5214823	A	.00	1.30	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
5213812	A	.00	1.40	.00	1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
5214824	A	.00	1.40	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0207341	A	.00	1.50	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0207373	A	.00	1.50	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
2218792	A	.00	1.50	.00	5.00	5.00	.00	500	30	WW2	343	125	1750	23	0000000
5214825	A	.00	1.50	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
5261869	A	.00	1.50	.00	1.00	1.00	2.50		30	WW2	562	250	1250	42	0000000
5796434	A	.00	1.54	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0441163	A	.00	1.60	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
5214826	A	.00	1.62	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0208938	A	.00	1.65	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0483204	A	.00	1.65	.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
0207326	A	.00	1.70	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0483208	A	.00	1.70	.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
0207370	A	.00	1.75	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0483202	A	.00	1.75	.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
5214899	A	.00	1.78	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0208255	A	.00	1.80	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0483210	A	.00	1.80	.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
5214816	C	.00	1.82	.00	3.00	3.00	1.00		20	WW2	563	125	1620	23	0000000
5214813	A	.00	1.87	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0208256	A	.00	1.90	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0207381	A	.00	2.00	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0483205	A	.00	2.00	.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
0483407	A	.00	2.00	.00	1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
1589243	A	.00	2.00	.00	5.00	5.00	10.00		50	WW2	1937	406	1500	42	0000000
2396705	A	.00	2.00	.00	1.00	1.00	.00	500	30	WW2	343	125	1750	23	0000000
5214806	A	.00	2.00	.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0207378	A	.00	2.05	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 2 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REE1 DCS#N EQ 23582 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0483387	A	.00	2.05	.00	1.00	1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
1582646	A	.00	2.10	.00	1.00	1.00	1.00	.00	500	50	WW2	375	109	1750	28	0000000
5214827	A	.00	2.15	.00	3.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0473273	A	.00	2.20	.00	1.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
5115138	A	.00	2.20	.00	1.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
5261890	A	.00	2.20	.00	1.00	1.00	1.00	2.50		30	WW2	562	250	1250	42	0000000
0207228	A	.00	2.30	.00	1.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0483206	A	.00	2.30	.00	1.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
5052885	A	.00	2.32	.00	1.00	1.00	1.00	1.00		20	WW2	436	125	1500	34	0207321
5214900	A	.00	2.32	.00	3.00	3.00	3.00	2.00		20	WW2	436	125	1500	34	0207321
0483419	A	.00	2.35	.00	1.00	1.00	1.00	1.00		30	WW2	625	250	1500	34	0483047
5214902	A	.00	2.37	.00	3.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
1582648	A	.00	2.40	.00	5.00	5.00	5.00	10.00		50	WW2	1937	407	1500	43	0207334
0483409	A	.00	2.50	.00	1.00	1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
0208969	A	.00	2.60	.00	1.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
5214912	A	.00	2.61	.00	3.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0207380	A	.00	2.70	.00	1.00	1.00	1.00	7.00		30	WW2	1375	344	1500	43	0207380
0483207	A	.00	2.70	.00	1.00	1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
2218772	A	.00	2.70	.00	5.00	5.00	5.00	1.00		30	WW2	436	125	1500	34	0207321
0476434	A	.00	2.80	.00	1.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
2392086	A	.00	2.80	.00	1.00	1.00	1.00	.00	250	30	WW2	437	125	1750	23	0000000
0473276	A	.00	3.00	.00	1.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0483413	A	.00	3.00	.00	1.00	1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
5214828	A	.00	3.01	.00	3.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
5214820	A	.00	3.16	.00	3.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0208976	A	.00	3.20	.00	1.00	1.00	1.00	7.00		30	WW2	1375	344	1500	43	0207380
2218763	A	.00	3.30	.00	5.00	5.00	5.00	.00	330	30	WW2	437	125	1750	23	0000000
5214909	A	.00	3.40	.00	3.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0483414	A	.00	3.50	.00	1.00	1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
2396718	A	.00	3.50	.00	5.00	5.00	5.00	10.00		30	WW2	1937	407	1500	43	0207334
5261892	A	.00	3.50	.00	1.00	1.00	1.00	2.50		30	WW2	562	250	1250	42	0000000
0208244	A	.00	3.53	.00	1.00	1.00	1.00	7.00		30	WW2	1375	344	1500	43	0207380
0483209	A	.00	3.53	.00	1.00	1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
2396660	A	.00	3.75	.00	1.00	1.00	1.00	.00	500	30	WW2	343	125	1750	23	0000000
5213554	A	.00	3.75	.00	1.00	1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
5214829	A	.00	3.92	.00	3.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
1589766	A	.00	4.00	.00	1.00	1.00	1.00	.00	500	30	WW2	375	108	1500	23	0000000
2396713	A	.00	4.00	.00	5.00	5.00	5.00	10.00		30	WW2	1937	407	1500	43	0207334
5247180	C	.00	4.00	.00	1.00	1.00	1.00	2.50		30	WW2	562	250	1250	42	0000000
0483386	A	.00	4.22	.00	1.00	1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
5214903	A	.00	4.23	.00	3.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
2396704	A	.00	4.30	.00	.50	.50	.50	.00	500	30	WW2	343	125	1750	23	0000000
1582645	A	.00	4.53	.00	1.00	1.00	1.00	.00	250	50	WW2	375	109	1750	28	0000000
1582644	A	.00	4.64	.00	1.00	1.00	1.00	4.00		50	WW2	812	282	1750	42	0000000
0737866	A	.00	4.70	.00	5.00	5.00	5.00	3.00		30	WW2	812	282	1500	42	0441161
0207334	A	.00	4.75	.00	1.00	1.00	1.00	10.00		30	WW2	1937	407	1500	43	0207334
0483203	A	.00	4.75	.00	1.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
5214906	A	.00	4.75	.00	3.00	3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321

E45-0359 Rev. 2

IBM Internal Use Only

2-112

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Wirewound Resistors

PG. 3 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 23582 DR/PART NO/LIMIT.

PART NUMBER	U RESIST C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS + TOL		POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH		LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
					MILS	MILS					MILS	MILS			
0483420	A	.00	4.80	.00	1.00	1.00	2.00			30	WW2	625	250	1500	34 0483047
5214821	A	.00	4.87	.00	3.00	3.00	1.00			20	WW2	436	125	1500	34 0207321
5214830	A	.00	4.99	.00	3.00	3.00	1.00			20	WW2	436	125	1500	34 0207321
0483408	A	.00	5.00	.00	1.00	1.00	2.00			30	WW2	625	250	1500	34 0483047
0533270	A	.00	5.00	.00	5.00	5.00	5.00			20	WW2	1000	343	1500	43 0207228
1582650	A	.00	5.00	.00	5.00	5.00	3.00			50	WW2	812	282	1500	42 0441161
1589765	A	.00	5.00	.00	1.00	1.00	1.00			30	WW2	436	125	1500	34 0207321
5616569	A	.00	5.00	.00	5.00	5.00	10.00			30	WW2	1937	407	1500	43 0207334
2392088	A	.00	5.11	.00	1.00	1.00	.00	250		30	WW2	437	125	1750	23 0000000
0483400	A	.00	5.30	.00	1.00	1.00	2.00			30	WW2	625	250	1500	34 0483047
0483335	A	.00	5.60	.00	5.00	5.00	2.00			30	WW2	625	250	1500	34 0483047
1582748	A	.00	5.60	.00	5.00	5.00	3.00			50	WW2	812	282	1500	42 0441161
1589319	A	.00	5.60	.00	1.00	1.00	1.00			30	WW2	436	125	1500	34 0207321
2156715	A	.00	5.60	.00	5.00	5.00	5.00			30	WW2	1000	343	1500	43 0207228
2392087	A	.00	5.62	.00	1.00	1.00	.00	250		30	WW2	437	125	1750	23 0000000
0729336	A	.00	6.00	.00	5.00	5.00	3.00			30	WW2	812	282	1500	42 0441161
2396702	A	.00	6.80	.00	.50	.50	1.00			30	WW2	436	125	1500	34 0207321
2396707	A	.00	7.00	.00	1.00	1.00	3.00			30	WW2	812	282	1500	42 0441161
1582643	A	.00	7.87	.00	1.00	1.00	1.00			50	WW2	436	125	1500	34 0207321
0814092	A	.00	8.00	.00	5.00	5.00	5.00			30	WW2	1000	343	1500	43 0207228
2247574	C	.00	8.00	.00	5.00	5.00	10.00			200	WW2	1812	438	1500	50 0000000
1582747	A	.00	8.20	.00	5.00	5.00	1.00			50	WW2	436	125	1500	34 0207321
0483494	A	.00	8.45	.00	1.00	1.00	.00	10		30	WW2	343	125	1750	23 0000000
1589320	A	.00	8.45	.00	1.00	1.00	1.00			30	WW2	436	125	1500	34 0207321
5214175	C	.00	8.45	.00	3.00	3.00	1.00			20	WW2	563	122	1620	23 0000000
5214833	A	.00	9.00	.00	3.00	3.00	1.00			20	WW2	436	125	1500	34 0207321
5214834	A	.00	9.76	.00	3.00	3.00	1.00			20	WW2	436	125	1500	34 0207321
2161627	A	.00	9.95	.00	1.00	1.00	.00	125		30	WW2	436	125	1625	23 0000000
1582651	A	.00	10.00	.00	5.00	5.00	5.00			50	WW2	1000	343	1500	43 0207228
2396620	A	.00	10.00	.00	5.00	5.00	10.00			30	WW2	1937	407	1500	43 0207334
0813275	A	.00	11.00	.00	1.00	1.00	.00	500		20	WW2	687	281	1750	43 0000000
2396700	A	.00	11.00	.00	.50	.50	.00	500		30	WW2	343	125	1750	23 0000000
2396701	A	.00	11.00	.00	1.00	1.00	2.00			30	WW2	625	250	1500	34 0483047
2396706	A	.00	13.00	.00	1.00	1.00	5.00			30	WW2	1000	343	1500	43 0207228
5261806	A	.00	13.00	.00	1.00	1.00	2.50			30	WW2	562	250	1250	42 0000000
2396714	A	.00	14.00	.00	5.00	5.00	10.00			30	WW2	1937	407	1500	43 0207334
0814249	A	.00	17.00	.00	1.00	1.00	.00	500		20	WW2	687	281	1750	43 0000000
8493351	A	.00	17.50	.00	5.00	5.00	10.00			30	WW2	1937	407	1500	43 0207334
0813273	A	.00	18.00	.00	1.00	1.00	.00	500		20	WW2	560	150	1750	34 0000000
2161626	A	.00	19.90	.00	1.00	1.00	.00	250		30	WW2	562	218	1625	35 0000000
5247169	C	.00	20.00	.00	1.00	1.00	1.00			30	WW2	562	250	1250	42 0000000
1582652	A	.00	24.00	.00	5.00	5.00	2.00			50	WW2	625	218	1750	28 0000000
0169139	A	.00	25.00	.00	5.00	5.00	10.00				WW1	1765	328	1765	0000000
0814250	A	.00	25.00	.00	1.00	1.00	.00	500		20	WW2	687	281	1750	43 0000000
1582653	A	.00	27.00	.00	5.00	5.00	2.00			50	WW2	812	282	1750	42 0000000
0814251	A	.00	29.00	.00	1.00	1.00	.00	500		20	WW2	687	281	1750	43 0000000
2396703	A	.00	29.00	.00	1.00	1.00	2.00			30	WW2	560	150	1750	34 0000000
0302094	C	.00	30.00	.00	1.00	1.00	1.00			200	WW2	1000	563	LUG	LUG 0000000

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 4 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23582 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL X	TOL %	POWER WATTS	PWR MIL-W	TC RES PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
8272128	A	.00	32.00	.00	5.00	5.00	10.00		60	WW2	1937	407	1500	43	0207334
0814147	A	.00	32.40	.00	1.00	1.00	.00	500	20	WW2	687	281	1750	43	0000000
1582649	A	.00	33.00	.00	5.00	5.00	3.00		50	WW2	812	282	1500	42	0441161
1582674	A	.00	35.00	.00	5.00	5.00	10.00		30	WW2	1937	407	1500	43	0207334
2396686	A	.00	51.00	.00	1.00	1.00	10.00		30	WW2	1843	400	1750	42	0000000
2396685	A	.00	59.00	.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
2396782	A	.00	75.00	.00	1.00	1.00	2.00		30	WW2	560	150	1750	34	0000000
1582654	A	.00	80.00	.00	1.00	1.00	5.00		50	WW2	1000	343	1750	42	0000000
2396715	A	.00	90.00	.00	5.00	5.00	10.00		30	WW2	1937	407	1500	43	0207334
2396708	A	.00	95.20	.00	1.00	1.00	2.00		30	WW2	560	218	1750	34	0000000
2396716	A	.00	110.00	.00	5.00	5.00	10.00		30	WW2	1937	407	1500	43	0207334
2396480	C	.00	130.00	.00	1.00	1.00	3.30		30	WW2	1843	400	1750	42	0000000
5261870	A	.00	130.00	.00	1.00	1.00	10.00		30	WW2	1853	406	2000	43	0000000
0207320	A	.00	.00	1.00	5.00	5.00	5.00		60	WW2	1000	343	1500	43	0207228
0483046	A	.00	.00	1.00	1.00	1.00	5.00		60	WW2	1000	343	1500	43	0207228
0813231	A	.00	.00	1.00	1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0814012	A	.00	.00	1.00	5.00	5.00	.00	500	60	WW2	343	125	1750	23	0000000
0814154	A	.00	.00	1.00	1.00	1.00	3.00		60	WW2	812	282	1500	42	0441161
2396638	A	.00	.00	1.00	1.00	1.00	10.00		60	WW2	1937	407	1500	43	0207334
5214802	A	.00	.00	1.00	3.00	3.00	3.00		50	WW2	812	282	1500	42	0441161
5615957	A	.00	.00	1.00	5.00	5.00	2.00		30	WW2	625	218	1500	28	0000000
1590083	A	.00	.00	1.20	1.00	1.00	5.00		30	WW2	1000	343	1625	43	0000000
0483514	A	.00	.00	1.30	1.00	1.00	5.00		60	WW2	1000	343	1500	43	0207228
2396534	A	.00	.00	1.30	1.00	1.00	.00	500	60	WW2	343	125	1750	23	0000000
0721090	A	.00	.00	1.50	5.00	5.00	1.00		60	WW2	436	125	1500	34	0207321
4481139	C	.00	.00	1.50	5.00	5.00	1.00		300	WW2	400	148	1500	33	0000000
4481553	A	.00	.00	1.50	1.00	1.00	3.00		30	WW2	687	281	1500	34	0000000
5214810	A	.00	.00	1.50	3.00	3.00	10.00		50	WW2	1937	407	1500	43	0207334
4481339	C	.00	.00	1.80	5.00	5.00	1.00		300	WW2	400	148	1500	33	0000000
0207321	A	.00	.00	2.00	5.00	5.00	1.00		60	WW2	436	125	1500	34	0207321
0480025	A	.00	.00	2.00	1.00	1.00	1.00		60	WW2	436	125	1500	34	0207321
0814152	A	.00	.00	2.00	1.00	1.00	.00	500	60	WW2	343	125	2000	23	0000000
2391644	A	.00	.00	2.00	5.00	5.00	5.00		60	WW2	1000	343	1500	43	0207228
2395845	A	.00	.00	2.00	5.00	5.00	5.00		60	WW2	937	343	1750	43	0000000
2410190	A	.00	.00	2.00	5.00	5.00	2.00		50	WW2	625	250	1500	34	0483047
5214794	C	.00	.00	2.00	3.00	3.00	7.00		50	WW2	1288	344	2000	43	0000000
8493856	A	.00	.00	2.00	1.00	1.00	3.00		60	WW2	812	282	1500	42	0441161
0814089	A	.00	.00	2.40	1.00	1.00	3.00		60	WW2	812	282	1500	42	0441161
0813218	A	.00	.00	2.50	5.00	5.00	.00	500	30	WW2	315	125	1750	23	0000000
1589233	A	.00	.00	2.50	5.00	5.00	7.00		30	WW2	1375	344	1500	43	0207380
5213852	A	.00	.00	2.50	5.00	5.00	3.00		60	WW2	812	282	1500	42	0441161
0483200	A	.00	.00	3.00	5.00	5.00	5.00		60	WW2	1000	343	1500	43	0207228
5214803	A	.00	.00	3.00	3.00	3.00	3.00		50	WW2	812	282	1500	42	0441161
5214927	A	.00	.00	3.00	1.00	1.00	7.00		20	WW2	1375	344	1500	43	0207380
5616488	A	.00	.00	3.00	1.00	1.00	3.00		30	WW2	687	281	1625	34	0000000
4481593	A	.00	.00	3.60	5.00	5.00	5.00		60	WW2	1000	343	1500	43	0207228
5615366	A	.00	.00	3.60	1.00	1.00	4.00		30	WW2	812	282	1700	032	0000000
0480024	A	.00	.00	4.00	1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321

E45-0359 Rev. 2

IBM Internal Use Only

2-114

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 5 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23582 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAWN
1589310	A	.00	.00	4.00		5.00	5.00	10.00			50 WW2	1937	406	1500	43	0000000
5213822	A	.00	.00	4.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
8493629	A	.00	.00	4.50		1.00	1.00	10.00			50 FILM	1937	406	1500	42	0000000
0814090	A	.00	.00	4.55		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
2396582	A	.00	.00	4.70		10.00	10.00	10.00			60 WW2	1937	407	1500	43	0207334
0814087	A	.00	.00	4.80		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
1582770	A	.00	.00	5.00		1.00	1.00	5.00			50 WW2	1000	343	1500	43	0207228
1582647	A	.00	.00	5.10		5.00	5.00	10.00			60 WW2	1937	407	1500	43	0207334
0483438	A	.00	.00	5.50		5.00	5.00	7.00			60 WW2	1375	344	1500	43	0207380
0814091	A	.00	.00	5.69		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
0483513	A	.00	.00	6.00		1.00	1.00	5.00			60 WW2	1000	343	1500	43	0207228
5615768	A	.00	.00	6.00		1.00	1.00	1.00			30 WW2	625	218	1625	34	0000000
5151964	A	.00	.00	6.20		5.00	5.00	10.00			30 WW2	1937	407	1500	43	0207334
0813201	A	.00	.00	7.50		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
2145040	A	.00	.00	7.50		1.00	1.00	10.00			60 WW2	1937	407	1500	43	0207334
5616489	A	.00	.00	7.50		1.00	1.00	5.00			30 WW2	937	343	1625	34	0000000
0814088	A	.00	.00	7.58		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
8519127	A	.00	.00	7.58		1.00	1.00	1.10			50 WW2	590	125	1500	22	0000000
2391384	A	.00	.00	8.00		5.00	5.00	2.00			30 WW2	625	250	1500	34	0483047
4429658	A	.00	.00	8.00		5.00	5.00	10.00			30 WW2	1937	407	1500	43	0207334
8493492	A	.00	.00	8.20		3.00	3.00	.00	750		50 WW2	327	93	1500	22	0000000
2391385	A	.00	.00	8.91		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
0737513	A	.00	.00	9.00		1.00	1.00	1.00			30 WW2	436	125	1500	34	0207321
1582945	A	.00	.00	9.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
5615734	A	.00	.00	9.10		1.00	1.00	5.00			30 WW2	1000	343	1500	43	0207228
0813227	A	.00	.00	9.76		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
4481624	A	.00	.00	9.82		1.00	1.00	5.00			30 WW2	937	343	1500	34	0000000
0316142	A	.00	.00	10.00		1.00	1.00	5.00			20 WW2	1000	343	1500	43	0207228
0322741	A	.00	.00	10.00		2.00	2.00	7.00			30 WW2	1375	344	1500	43	0207380
0483385	A	.00	.00	10.00		.50	.50	3.00			30 WW2	812	282	1500	42	0441161
0483522	A	.00	.00	10.00		5.00	5.00	3.00			30 WW2	812	282	1500	42	0441161
0556485	A	.00	.00	10.00		5.00	5.00	10.00			30 WW2	1937	407	1500	43	0207334
0813245	A	.00	.00	10.00		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
0814113	A	.00	.00	10.00		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
0814151	A	.00	.00	10.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
2145041	A	.00	.00	10.00		1.00	1.00	10.00			60 WW2	1937	407	1500	43	0207334
2161022	A	.00	.00	10.00		3.00	3.00	5.00			20 WW2	1000	343	1500	43	0207228
0492428	A	.00	.00	11.00		5.00	5.00	2.00			30 WW2	625	250	1500	34	0483047
0814086	A	.00	.00	11.00		1.00	1.00	1.00			30 WW2	436	125	1500	34	0207321
0814153	A	.00	.00	11.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
2396639	A	.00	.00	11.00		1.00	1.00	7.00			60 WW2	1375	344	1500	43	0207380
0813215	A	.00	.00	11.50		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
0813206	A	.00	.00	12.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
2391631	A	.00	.00	12.00		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
5214807	A	.00	.00	13.00		3.00	3.00	7.00			50 WW2	1375	344	1500	43	0207380
2396583	A	.00	.00	14.00		10.00	10.00	5.00			30 WW2	1000	343	1500	43	0207228
0813200	A	.00	.00	14.30		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
0483437	A	.00	.00	15.00		5.00	5.00	7.00			60 WW2	1375	344	1500	43	0207380

E45-0359 Rev. 2

IBM Internal Use Only

2-115

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 6 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23582 DR/PARI NO/LIMIT.

PART NUMBER	T C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	+ TOL %	- TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
2391629	A	.00	.00	15.00		5.00	5.00	10.00		60	WW2	1937	407	1500	43	0207334
5796397	A	.00	.00	15.00		3.00	3.00	10.00		60	WW2	1937	407	1500	43	0207334
0813205	A	.00	.00	16.00		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
8519692	A	.00	.00	16.00		5.00	5.00	2.00		20	WW2	531	157	1500	34	0000000
0813229	A	.00	.00	16.20		1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
2175654	A	.00	.00	16.80		1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0483101	A	.00	.00	17.20		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
2396687	A	.00	.00	18.00		5.00	5.00	10.00		60	WW2	1937	407	1500	43	0207334
8519611	A	.00	.00	18.00		5.00	5.00	7.00		30	WW2	1375	343	1500	42	0000000
0814208	A	.00	.00	18.70		1.00	1.00	1.00		20	WW2	436	125	1500	34	0207321
2396581	A	.00	.00	19.00		10.00	10.00	5.00		30	WW2	1000	343	1500	43	0207228
0813216	A	.00	.00	19.50		1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
0483089	A	.00	.00	20.00		1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
0483339	A	.00	.00	20.00		1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
0814129	A	.00	.00	20.00		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
4481796	A	.00	.00	20.00		3.00	3.00	7.00		20	WW2	1375	344	1500	43	0207380
5214808	A	.00	.00	20.00		3.00	3.00	7.00		20	WW2	1375	344	1500	43	0207380
0813214	A	.00	.00	20.50		1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
0483310	A	.00	.00	20.60		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
0813202	A	.00	.00	21.00		1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
0483212	A	.00	.00	23.70		1.00	1.00	3.00		30	WW2	812	282	1500	42	0000000
1589334	A	.00	.00	25.00		5.00	5.00	12.00		260	WW2	1750	312	LUG	LUG	0000000
2396477	A	.00	.00	26.00		5.00	5.00	10.00		60	WW2	1937	407	1500	43	0207334
2396479	A	.00	.00	27.00		5.00	5.00	10.00		60	WW2	1937	407	1500	43	0207334
0814150	A	.00	.00	28.00		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
0813230	A	.00	.00	30.00		1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
0814156	A	.00	.00	30.00		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
2145045	A	.00	.00	30.00		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
2154981	A	.00	.00	30.00		1.00	1.00	10.00		30	WW2	1937	407	1500	43	0207334
4429659	A	.00	.00	30.00		5.00	5.00	10.00		60	WW2	1937	407	1500	43	0207334
2391386	A	.00	.00	32.30		1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
2391387	A	.00	.00	33.70		1.00	1.00	2.00		30	WW2	625	250	1500	34	0483047
0533262	A	.00	.00	35.00		1.00	1.00	5.00		20	WW2	1000	343	1500	43	0207228
0483258	A	.00	.00	36.00		1.00	1.00	5.00		20	WW2	1000	343	1500	43	0207228
2396721	A	.00	.00	36.00		5.00	5.00	10.00		30	WW2	1937	407	1500	43	0207334
5214897	A	.00	.00	37.40		3.00	3.00	1.00		20	WW2	436	125	1500	34	0207321
0814085	A	.00	.00	40.00		1.00	1.00	.00	500	30	WW2	343	125	1750	23	0000000
0483100	A	.00	.00	40.20		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
5214424	A	.00	.00	40.20		1.00	1.00	.00	500	30	WW2	327	93	1620	22	0000000
0483063	A	.00	.00	41.20		1.00	1.00	5.00		30	WW2	1000	343	1500	43	0207228
0805397	A	.00	.00	42.20		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
0483211	A	.00	.00	45.00		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
0814.33	A	.00	.00	47.00		1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
5213420	A	.00	.00	47.00		1.00	1.00	1.00		30	WW2	436	125	1500	34	0207321
0480385	A	.00	.00	47.50		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
0480386	A	.00	.00	48.70		1.00	1.00	3.00		30	WW2	812	282	1500	42	0441161
1582632	A	.00	.00	49.90		1.00	1.00	1.00		25	WW2	450	125	1750	28	0000000
1589311	A	.00	.00	50.00		5.00	5.00	10.00		50	WW2	1937	406	1500	43	0000000

E45-0359 Rev. 2

IBM Internal Use Only

2-116

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 7 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23582 DR/PARI NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
1590088	A	.00	.00	50.00		1.00	1.00	1.00			30 WW2	1937	407	1500	43	0207334
0492429	A	.00	.00	51.00		5.00	5.00	2.00			30 WW2	625	250	1500	34	0483047
5213769	A	.00	.00	51.00		5.00	5.00	3.00			30 WW2	812	282	1500	42	0441161
0480387	A	.00	.00	51.10		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
0483049	A	.00	.00	52.30		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
0492185	A	.00	.00	53.00		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
0813221	A	.00	.00	55.10		.25	.25	1.00			30 WW2	436	125	1500	34	0207321
1582946	A	.00	.00	56.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
2391621	A	.00	.00	60.00		1.00	1.00	5.00			30 WW2	1000	343	1500	43	0207228
6823715	A	.00	.00	60.00		1.00	1.00	1.10			30 WW2	590	125	1500	22	0000000
0483047	A	.00	.00	61.90		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
2396519	A	.00	.00	62.00		1.00	1.00	10.00			30 WW2	1937	407	1500	43	0207334
2396545	A	.00	.00	68.00		5.00	5.00	10.00			60 WW2	1937	407	1500	43	0207334
0483374	A	.00	.00	70.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
0483048	A	.00	.00	71.50		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
0492561	A	.00	.00	73.00		1.00	1.00	5.00			30 WW2	1000	343	1500	43	0207228
0483006	A	.00	.00	77.00		1.00	1.00	1.00			30 WW2	436	125	1500	34	0207321
5214279	A	.00	.00	82.00		1.00	1.00	5.00			30 WW2	1000	343	1500	43	0207228
5261429	A	.00	.00	82.00		3.00	3.00	1.00			30 WW2	436	125	1500	34	0207321
0813220	A	.00	.00	90.00		1.00	1.00	5.00			30 WW2	1000	343	1500	43	0207228
2398140	A	.00	.00	90.90		.50	.50	1.00			30 WW2	436	125	1500	34	0207321
0492562	A	.00	.00	95.00		1.00	1.00	5.00			30 WW2	1000	343	1500	43	0207228
5213715	A	.00	.00	95.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
0441166	A	.00	.00	97.00		1.00	1.00	1.00			30 WW2	436	125	1500	34	0207321
0814030	A	.00	.00	98.00		1.00	1.00	5.00			30 WW2	1000	343	1500	43	0207228
0492584	A	.00	.00	100.00		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
1589404	A	.00	.00	100.00		5.00	5.00	10.00			30 WW2	1937	406	1500	43	0000000
2395824	A	.00	.00	100.00		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
5213716	A	.00	.00	100.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
5213770	A	.00	.00	100.00		5.00	5.00	3.00			30 WW2	812	282	1500	42	0441161
5261430	A	.00	.00	100.00		3.00	3.00	1.00			30 WW2	436	125	1500	34	0207321
5213717	A	.00	.00	105.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
0483401	A	.00	.00	110.00		1.00	1.00	1.00			30 WW2	436	125	1500	34	0207321
2218675	A	.00	.00	121.00		1.00	1.00	.00	500		30 WW2	343	125	1750	23	0000000
2391914	A	.00	.00	121.00		1.00	1.00	2.00			30 WW2	625	250	1500	34	0483047
5214809	A	.00	.00	121.00		3.00	3.00	1.00			20 WW2	436	125	1500	34	0207321
0814135	A	.00	.00	130.00		5.00	5.00	3.00			30 WW2	812	282	1500	42	0441161
0483403	A	.00	.00	140.00		1.00	1.00	1.00			30 WW2	436	125	1500	34	0207321
0620265	A	.00	.00	140.00		1.00	1.00	3.00			20 WW2	660	250	1500	43	0000000
2396580	A	.00	.00	140.00		10.00	10.00	10.00			30 WW2	1937	407	1500	43	0207334
5213811	A	.00	.00	150.00		1.00	1.00	1.00			30 WW2	436	125	1500	34	0207321
8519572	A	.00	.00	150.00		1.00	1.00	1.10			50 WW2	590	125	1500	22	0000000
0483378	A	.00	.00	169.00		1.00	1.00	7.00			30 WW2	1375	344	1500	43	0207380
5213648	A	.00	.00	175.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
2132170	A	.00	.00	180.00		1.00	1.00	5.00			30 WW2	1000	343	1500	43	0207228
2396579	A	.00	.00	180.00		10.00	10.00	5.00			30 WW2	1000	343	1500	43	0207228
5213813	A	.00	.00	180.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161
5213718	A	.00	.00	191.00		1.00	1.00	3.00			30 WW2	812	282	1500	42	0441161

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 8 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REE1 DCS#N EQ 23582 DR/PARI NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM		POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY		LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.	
				TOL %	TOL %					MX-LGTH MILS	MX-DIA MILS				
0207365	A	.00	.00	200.00	1.00	1.00	5.00	30	WW2	1000	343	1500	43	0207228	
0441172	A	.00	.00	200.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
0483406	A	.00	.00	200.00	1.00	1.00	7.00	30	WW2	1375	344	1500	43	0207380	
0814055	A	.00	.00	200.00	5.00	5.00	5.00	30	WW2	1000	343	1500	43	0207228	
1589015	A	.00	.00	200.00	1.00	1.00	10.00	30	WW2	1937	407	1500	43	0207334	
2218794	A	.00	.00	200.00	1.00	1.00	.00	500	30	WW2	343	125	1750	23	0000000
5214817	A	.00	.00	200.00	3.00	3.00	1.00	20	WW2	436	125	1500	34	0207321	
5261985	A	.00	.00	200.00	5.00	5.00	2.50	50	WW2	562	250	1500	42	0000000	
5213723	A	.00	.00	202.00	1.00	1.00	3.00	30	WW2	812	282	1500	42	0441161	
0742720	A	.00	.00	203.00	.50	.50	5.00	30	WW2	1000	343	1500	43	0207228	
0483213	A	.00	.00	210.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
5213724	A	.00	.00	210.00	1.00	1.00	3.00	30	WW2	812	282	1500	42	0441161	
5213771	A	.00	.00	210.00	5.00	5.00	2.50	30	WW2	624	220	1500	34	0000000	
0483402	A	.00	.00	220.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
8519115	A	.00	.00	220.00	1.00	1.00	1.10	30	WW2	590	125	1500	22	0000000	
0492612	A	.00	.00	240.00	5.00	5.00	5.00	30	WW2	1000	343	1500	43	0207228	
0483214	A	.00	.00	249.00	1.00	1.00	2.00	20	WW2	625	250	1500	34	0483047	
2391617	A	.00	.00	250.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
2391918	A	.00	.00	250.00	1.00	1.00	3.00	30	WW2	812	282	1500	42	0441161	
2395775	A	.00	.00	250.00	1.00	1.00	3.00	90	WW2	812	282	1500	42	0441161	
0208254	A	.00	.00	260.00	1.00	1.00	5.00	30	WW2	1000	343	1500	43	0207228	
0483201	A	.00	.00	260.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
0483530	A	.00	.00	261.00	1.00	1.00	3.00	30	WW2	812	282	1500	42	0441161	
0492606	A	.00	.00	266.00	1.00	1.00	2.00	30	WW2	625	250	1500	34	0483047	
0441169	A	.00	.00	270.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
0207335	A	.00	.00	280.00	5.00	5.00	5.00	30	WW2	1093	375	1500	34	0000000	
0207366	A	.00	.00	300.00	1.00	1.00	5.00	30	WW2	1000	343	1500	43	0207228	
2173921	A	.00	.00	300.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
2391618	A	.00	.00	300.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
4481039	A	.00	.00	300.00	1.00	1.00	10.00	30	WW2	1843	406	1500	42	0000000	
0483215	A	.00	.00	324.00	1.00	1.00	2.00	20	WW2	625	250	1500	34	0483047	
2175489	C	.00	.00	324.00	1.00	1.00	.00	500	30	WW2	466	125	1625	28	0000000
0208986	A	.00	.00	325.00	1.00	1.00	5.00	30	WW2	1000	343	1500	43	0207228	
0483415	A	.00	.00	330.00	1.00	1.00	5.00	30	WW2	1000	343	1500	43	0207228	
5213706	A	.00	.00	350.00	1.00	1.00	5.00	30	WW2	1000	343	1500	43	0207228	
0492655	A	.00	.00	357.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
0483562	A	.00	.00	365.00	1.00	1.00	2.00	30	WW2	625	250	1500	34	0483047	
5213721	A	.00	.00	383.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
2391912	A	.00	.00	390.00	1.00	1.00	2.00	30	WW2	625	250	1500	34	0483047	
0207328	A	.00	.00	400.00	1.00	1.00	5.00	30	WW2	1000	343	1500	43	0207228	
0208951	A	.00	.00	400.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
5213722	A	.00	.00	405.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
5213711	A	.00	.00	422.00	1.00	1.00	1.00	30	WW2	436	125	1500	34	0207321	
1582947	A	.00	.00	430.00	2.00	2.00	2.00	30	WW2	625	250	1500	34	0483047	
2397093	A	.00	.00	430.00	1.00	1.00	5.00	30	WW2	937	343	1750	43	0000000	
2397094	A	.00	.00	455.00	1.00	1.00	5.00	30	WW2	937	343	1750	43	0000000	
0597442	A	.00	.00	480.00	1.00	1.00	5.00	20	WW2	1000	343	1500	43	0207228	
5213772	A	.00	.00	510.00	5.00	5.00	2.50	30	WW2	624	220	1500	34	0000000	

E45-0359 Rev. 2

IBM Internal Use Only 2-118

September 15, 1982

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog

Wirewound Resistors

PG. 9 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY																	
CALL REEL DCS#N EQ 23582 DR/PARI NO/LIMIT.																	
PART	U	RESIST	RESIS	RES.	RESIS	TOL	TOL	POWER	PWR	TC	RES	BODY	BODY	LEAD	LEAD	TAB	
NUMBER	C	MEGOHM	K-OHM	OHMS	MILOHM	%	%	WATTS	MIL-W	PPM	TYPE	MX-LGTH	MX-DIA	NOM-LGT	MAX-DIA	DRAW	
												MILS	MILS	MILS	MILS	NUM.	
0483024	A	.00	.00	560.00		5.00	5.00	1.00			30	WW2	436	125	1500	34	0207321
0483421	A	.00	.00	560.00		1.00	1.00	2.00			30	WW2	625	250	1500	34	0483047
0589287	A	.00	.00	560.00		5.00	5.00	2.00			200	WW2	407	219	1500	35	0000000
2218796	A	.00	.00	560.00		5.00	5.00	.00	500		30	WW2	343	125	1750	23	0000000
2397012	A	.00	.00	560.00		1.00	1.00	5.00			20	WW2	562	249	1500	34	0000000
0620628	A	.00	.00	575.00		1.00	1.00	3.00			20	WW2	812	282	1500	42	0441161
0441161	A	.00	.00	590.00		5.00	5.00	3.00			30	WW2	812	282	1500	42	0441161
0483462	A	.00	.00	590.00		1.00	1.00	5.00			30	WW2	1000	343	1500	43	0207228
5052883	A	.00	.00	634.00		1.00	1.00	1.00			20	WW2	436	125	1500	34	0207321
5213707	A	.00	.00	634.00		1.00	1.00	2.00			30	WW2	625	250	1500	34	0483047
0813213	A	.00	.00	650.00		1.00	1.00	3.00			30	WW2	812	282	1500	42	0441161
5213649	A	.00	.00	650.00		1.00	1.00	3.00			30	WW2	812	282	1500	42	0441161
0441165	A	.00	.00	675.00		1.00	1.00	5.00			30	WW2	1000	343	1500	43	0207228
0441164	A	.00	.00	680.00		5.00	5.00	3.00			30	WW2	812	282	1500	42	0441161
0814066	A	.00	.00	680.00		5.00	5.00	3.00			30	WW2	812	282	1500	42	0441161
0492596	A	.00	.00	681.00		1.00	1.00	1.00			30	WW2	436	125	1500	34	0207321
0483417	A	.00	.00	700.00		1.00	1.00	2.00			30	WW2	625	250	1500	34	0483047
5214814	A	.00	.00	750.00		3.00	3.00	1.00			20	WW2	436	125	1500	34	0207321
5247181	C	.00	.00	750.00		1.00	1.00	2.50			30	WW2	562	250	1250	42	0000000
0483416	A	.00	.00	760.00		1.00	1.00	2.00			30	WW2	625	250	1500	34	0483047
5213712	A	.00	.00	768.00		1.00	1.00	1.00			30	WW2	436	125	1500	34	0207321
0597469	A	.00	.00	775.00		1.00	1.00	5.00			20	WW2	1000	343	1500	43	0207228
0483493	A	.00	.00	787.00		1.00	1.00	5.00			30	WW2	343	125	1750	23	0000000
0814274	A	.00	.00	795.00		1.00	1.00	1.00			30	WW2	436	125	1500	34	0207321
0207371	A	.00	.00	800.00		1.00	1.00	5.00			30	WW2	1000	343	1500	43	0207228
2395823	A	.00	.00	800.00		1.00	1.00	2.00			30	WW2	625	250	1500	34	0483047
5213713	A	.00	.00	810.00		1.00	1.00	1.00			30	WW2	436	125	1500	34	0207321
2391620	A	.00	.00	820.00		1.00	1.00	1.00			30	WW2	436	125	1500	34	0207321
5213714	A	.00	.00	845.00		1.00	1.00	1.00			30	WW2	436	125	1500	34	0207321
5214911	A	.00	.00	845.00		3.00	3.00	1.00			20	WW2	436	125	1500	34	0207321
0207372	A	.00	.00	850.00		1.00	1.00	5.00			30	WW2	1000	343	1500	43	0207228
0207386	A	.00	.00	860.00		1.00	1.00	5.00			30	WW2	1000	343	1500	43	0207228
0813211	A	.00	.00	900.00		1.00	1.00	3.00			30	WW2	812	282	1500	42	0441161
5213708	A	.00	.00	929.00		1.00	1.00	2.00			30	WW2	625	250	1500	34	0483047
0441114	A	.00	.00	953.00		1.00	1.00	1.00			30	WW2	436	125	1500	34	0207321
1589768	A	.00	.00	.00	15	3.00	3.00	2.00			90	WW2	625	250	1500	34	0483047
5214782	A	.00	.00	.00	20	3.00	3.00	7.00			90	WW2	1375	344	1500	43	0207380
5214099	A	.00	.00	.00	25	5.00	5.00	5.00			100	WW2	937	344	2000	43	0000000
8519391	C	.00	.00	.00	25	1.00	1.00	10.00			150	WW2	1843	406	1000	42	0000000
8519392	C	.00	.00	.00	33	1.00	1.00	10.00			130	WW2	1843	406	1000	42	0000000
5214786	A	.00	.00	.00	40	3.00	3.00	7.00			90	WW2	1375	344	1500	43	0207380
0208225	A	.00	.00	.00	50	5.00	5.00	5.00			60	WW2	1000	343	1500	43	0207228
5214801	A	.00	.00	.00	50	3.00	3.00	3.00			90	WW2	812	282	1500	42	0441161
5214805	A	.00	.00	.00	50	3.00	3.00	7.00			90	WW2	1375	344	1500	43	0207380
8493451	A	.00	.00	.00	50	1.00	1.00	10.00			90	WW2	1937	407	1500	43	0207334
8493778	A	.00	.00	.00	50	1.00	1.00	5.00			60	WW2	1000	343	1500	43	0207228
8519565	A	.00	.00	.00	80	1.00	1.00	5.00			90	WW2	932	343	1500	42	0000000
0207324	A	.00	.00	.00	100	5.00	5.00	5.00			60	WW2	1000	343	1500	43	0207228

E45-0359 Rev. 2

IBM Internal Use Only

2-119

September 15, 1982

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 10 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REE1 DCS#N EQ 23582 DR/PART NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL + %	TOL - %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
0441143 A	.00	.00	.00	100	1.00	1.00	1.00			60	WW2	436	125	1500	34 0207321
0483109 A	.00	.00	.00	100	1.00	1.00	2.00			60	WW2	625	250	1500	34 0483047
4481663 A	.00	.00	.00	100	1.00	1.00	3.00			90	WW2	812	282	1500	42 0441161
5615851 A	.00	.00	.00	100	1.00	1.00	2.00			30	WW2	625	250	1500	34 0483047
5615992 A	.00	.00	.00	100	1.00	1.00	5.00			30	WW2	1000	343	1500	43 0207228
6823713 A	.00	.00	.00	100	1.00	1.00	5.00			90	WW2	937	343	1500	42 0000000
8493136 A	.00	.00	.00	100	1.00	1.00	10.00			60	WW2	1937	407	1500	43 0000000
4481337 A	.00	.00	.00	110	5.00	5.00	1.00			300	WW2	400	148	1500	33 0000000
8493249 A	.00	.00	.00	130	1.00	1.00	2.00			90	WW2	625	250	1500	34 0483047
2392076 A	.00	.00	.00	150	1.00	1.00	2.00			90	WW2	625	250	1500	34 0483047
5796394 A	.00	.00	.00	150	3.00	3.00	10.00			60	WW2	1937	407	1500	43 0207334
8493557 A	.00	.00	.00	150	3.00	3.00	5.00				WW2	1000	343	1500	43 0207228
0208959 A	.00	.00	.00	200	5.00	5.00	5.00			60	WW2	1000	343	1500	43 0207228
1582507 A	.00	.00	.00	200	5.00	5.00	5.00		500	90	WW2	375	125	2130	23 0000000
4481977 A	.00	.00	.00	200	1.00	1.00	3.00			90	WW2	625	250	1500	34 0000000
8493642 C	.00	.00	.00	220	5.00	5.00	1.00				WW2	400	148	1500	33 0000000
1582506 A	.00	.00	.00	240	5.00	5.00	5.00		500	90	WW2	375	125	2130	23 0000000
8493244 A	.00	.00	.00	240	5.00	5.00	1.00			300	WW2	400	148	1500	33 0000000
4429925 A	.00	.00	.00	250	1.00	1.00	10.00			90	WW2	1842	417	1500	42 0000000
4481691 A	.00	.00	.00	250	5.00	5.00	2.00			60	WW2	625	218	1500	34 0000000
4481086 A	.00	.00	.00	270	5.00	5.00	1.00				WW2	400	148	1500	33 0000000
1589430 A	.00	.00	.00	280	1.00	1.00	2.50			90	WW2	562	249	1625	42 0000000
0208226 A	.00	.00	.00	300	5.00	5.00	5.00			60	WW2	1000	343	1500	43 0207228
5214613 A	.00	.00	.00	330	5.00	5.00	2.50			100	WW2	562	250	1620	42 0000000
2396478 A	.00	.00	.00	360	1.00	1.00	10.00			60	WW2	1937	407	1500	43 0207334
1589124 A	.00	.00	.00	390	5.00	5.00	1.00			30	WW2	436	125	1500	34 0207321
4429725 A	.00	.00	.00	390	1.00	1.00	10.00			60	WW2	1937	407	1500	43 0000000
4481946 A	.00	.00	.00	390	1.00	1.00	1.00			90	WW2	436	125	1500	34 0000000
4718647 A	.00	.00	.00	390	1.00	1.00	5.00			60	WW2	1000	343	1500	40 0000000
5391640 A	.00	.00	.00	400	5.00	5.00	5.00			30	WW2	1000	343	1500	43 0207228
8519691 A	.00	.00	.00	400	1.00	1.00	3.00			90	WW2	624	249	1500	34 0000000
8493392 A	.00	.00	.00	430	5.00	5.00	1.00			300	WW2	400	148	1500	33 0000000
4481140 A	.00	.00	.00	470	5.00	5.00	1.00			300	WW2	400	148	1500	33 0000000
0208970 A	.00	.00	.00	500	5.00	5.00	5.00			60	WW2	1000	343	1500	43 0207228
2396476 A	.00	.00	.00	500	5.00	5.00	5.00			60	WW2	1000	343	1500	43 0207228
4429698 A	.00	.00	.00	500	1.00	1.00	3.00				WW2	622	218	1500	34 0000000
8493214 A	.00	.00	.00	500	1.00	1.00	5.00		500	90	WW2	344	94	1500	23 0000000
8493560 A	.00	.00	.00	500	1.00	1.00	1.00			90	WW2	450	125	1500	22 0000000
8519331 A	.00	.00	.00	500	1.00	1.00	3.00			60	WW2	622	218	1500	34 0000000
5214791 A	.00	.00	.00	600	3.00	3.00	10.00			30	WW2	1937	407	1500	43 0207334
5615858 A	.00	.00	.00	600	1.00	1.00	5.00			30	WW2	1000	343	1500	43 0207228
4481338 C	.00	.00	.00	620	5.00	5.00	1.00			300	WW2	400	148	1500	33 0000000
1589954 A	.00	.00	.00	670	1.00	1.00	5.00			30	WW2	813	343	1625	43 0000000
0803054 C	.00	.00	.00	680	5.00	5.00	5.00		500	60	WW2	312	125	1750	23 0000000
1589491 A	.00	.00	.00	680	1.00	1.00	5.00			90	WW2	1000	343	1500	42 0000000
5213971 A	.00	.00	.00	680	5.00	5.00	1.00			30	WW2	436	125	1500	34 0207321
0483247 A	.00	.00	.00	750	5.00	5.00	5.00			60	WW2	1000	343	1500	43 0207228
2391639 A	.00	.00	.00	750	1.00	1.00	7.00			60	WW2	1375	344	1500	43 0207380
8493627 A	.00	.00	.00	800	1.00	1.00	5.00			90	FILM	1000	343	1500	42 0000000
8493393 A	.00	.00	.00	820	5.00	5.00	1.00			300	WW2	400	148	1500	33 0000000
TOTAL RECORDS	482														

E45-0359 Rev. 2

IBM Internal Use Only

2-120

September 15, 1982

PASSIVE COMPONENTS MANUAL

WIREWOUND RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

23583 - Type III Precision

PG. 1 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 23583 DR/PART NO/LIMIT.

PART NUMBER	T U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
1589713	A	.00	.00	.00	.00	.00	.00	.00								0000000
1582932	A	1.28	.00	.00	1.00	1.00	.00	.00	500	10	WN3	516	531	1500	32	0000000
5615736	A	1.28	.00	.00	1.00	1.00	.00	.00	100	10	WN3	800	370	1625	32	0000000
0814273	A	1.66	.00	.00	1.00	1.00	.00	.00	500	10	WN3	835	332	1500	35	0000000
5615737	A	1.66	.00	.00	.00	1.00	.00	.00	100	10	WN3	800	370	1625	32	0000000
5052702	A	2.20	.00	.00	1.00	1.00	.00	.00	500	10	WN3	880	330	2000	35	0000000
5052696	A	2.50	.00	.00	1.00	1.00	.00	.00	500	10	WN3	880	330	2000	35	0000000
5615738	A	3.32	.00	.00	.00	1.00	.00	.00	100	10	WN3	800	370	1625	32	0000000
1582934	A	3.33	.00	.00	1.00	1.00	.00	.00	500	10	WN3				PRNT	0000000
0814254	A	.00	1.00	.00	.05	.05	.00	.00	100	10	WN3	520	180	1500	28	0000000
2155078	A	.00	1.00	.00	1.00	1.00	.00	.00	500	10	WN3	835	332	1625	35	0000000
5052692	A	.00	1.00	.00	.10	.10	.00	.00	100	5	WN3	530	180	2000	28	0000000
5052697	A	.00	1.20	.00	.50	.50	.00	.00	250	10	WN3	530	280	2000	35	0000000
5052699	A	.00	1.20	.00	1.00	1.00	.00	.00	250	10	WN3	530	280	2000	35	0000000
5052700	A	.00	1.20	.00	.10	.10	.00	.00	100	5	WN3	530	180	2000	35	0000000
0814255	A	.00	2.00	.00	.05	.05	.00	.00	100	10	WN3	520	180	1500	28	0000000
2173109	C	.00	2.00	.00	.10	.10	.00	.00	100	10	WN3	520	180	1625	23	0000000
5052698	A	.00	2.00	.00	1.00	1.00	.00	.00	250	10	WN3	530	280	2000	35	0000000
2396884	A	.00	2.70	.00	.10	.10	.00	.00	250	15	WN3	530	270	1625	28	0000000
2396885	A	.00	2.90	.00	.10	.10	.00	.00	250	15	WN3	530	270	1625	28	0000000
2155082	A	.00	3.00	.00	.10	.10	.00	.00	500	10	WN3	835	332	1625	35	0000000
2155089	A	.00	3.00	.00	.01	.01	.00	.00	500	3	WN3	835	332	1625	35	0000000
2155096	A	.00	3.00	.00	.01	.01	.00	.00	500	3	WN3	835	332	1625	35	0000000
2172518	A	.00	3.00	.00	.25	.25	.00	.00	100	5	WN3	540	200	1750	28	0000000
5052701	A	.00	3.60	.00	.10	.10	.00	.00	100	5	WN3	530	180	2000	28	0000000
0814256	A	.00	4.00	.00	.05	.05	.00	.00	100	10	WN3	520	180	1500	28	0000000
0814215	A	.00	4.53	.00	1.00	1.00	.00	.00	50	3	WN3	400	135	1500	27	0000000
2396880	A	.00	4.80	.00	.10	.10	.00	.00	100	15	WN3	520	180	1500	28	0000000
2391608	C	.00	5.00	.00	.05	.05	.00	.00	250	20	WN3	656	192	1500	27	0000000
2391609	C	.00	5.00	.00	.02	.02	.00	.00	250	5	WN3	656	192	1500	27	0000000
2396881	A	.00	5.20	.00	.10	.10	.00	.00	100	15	WN3	520	180	1500	28	0000000
0814214	A	.00	5.62	.00	1.00	1.00	.00	.00	50	3	WN3	400	135	1500	27	0000000
1582931	A	.00	6.50	.00	.05	.05	.00	.00	100	10	WN3	531	266	1500	32	0000000
0814213	A	.00	7.50	.00	1.00	1.00	.00	.00	50	3	WN3	400	135	1500	27	0000000
0814257	A	.00	8.00	.00	.05	.05	.00	.00	100	10	WN3	520	180	1500	28	0000000
2145033	A	.00	8.00	.00	1.00	1.00	.00	.00	250	15	WN3	540	270	1625	35	0000000
2172523	A	.00	8.00	.00	1.00	1.00	.00	.00	100	3	WN3	540	200	1625	28	0000000
0483396	A	.00	8.45	.00	1.00	1.00	.00	.00	250	15	WN3	562	282	2000	35	0000000
0483397	A	.00	8.95	.00	.50	.50	.00	.00	250	15	WN3	562	282	2000	35	0000000
2155092	A	.00	9.00	.00	.01	.01	.00	.00	500	3	WN3	835	332	1625	35	0000000
2396882	A	.00	9.42	.00	.10	.10	.00	.00	100	15	WN3	520	180	1500	28	0000000
2396883	A	.00	9.48	.00	.10	.10	.00	.00	100	15	WN3	520	180	1500	28	0000000
5115197	A	.00	9.95	.00	1.00	1.00	.00	.00	250	30	WN3	520	270	1625	35	0000000
0359851	C	.00	10.00	.00	.50	.50	.00	.00	250	22	WN3	500	467	1875	00	0000000
0814210	A	.00	10.00	.00	1.00	1.00	.00	.00	50	3	WN3	400	135	1500	27	0000000
2391606	C	.00	10.00	.00	.05	.05	.00	.00	250	10	WN3	656	192	1500	27	0000000
2391607	C	.00	10.00	.00	.01	.01	.00	.00	250	3	WN3	656	192	1500	27	0000000
0814212	A	.00	11.30	.00	1.00	1.00	.00	.00	50	3	WN3	400	135	1500	27	0000000

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 2 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY		CALL REEL DCS#N EQ 23583 DR/PARI NO/LIMIT.														
PART	T	U RESIST	RESIS	RES.	RESIS	TOL	TOL	POWER	PWR	TC RES	BODY	BODY	LEAD	LEAD	TAB	
NUMBER	C	MEGOHM	K-OHM	OHMS	MILOHM	%	%	WATTS	MIL-W	PPM	MX-LGTH	MX-DIA	NOM-LGT	MAX-DIA	DRAW	
											MILS	MILS	MILS	MILS	NUM.	
0814258	A	.00	13.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
5052689	A	.00	13.20	.00	.10	.10	.00	.00	100	5	WW3	530	180	2000	28	0000000
2163445	A	.00	15.60	.00	.50	.50	.00	.00	100	10	WW3	520	180	1625	28	0000000
0814259	A	.00	16.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
0483395	A	.00	16.90	.00	1.00	1.00	.00	.00	250	15	WW3	562	282	2000	35	0000000
0483398	A	.00	17.80	.00	1.00	1.00	.00	.00	250	15	WW3	562	282	2000	35	0000000
0483394	A	.00	17.90	.00	.50	.50	.00	.00	250	15	WW3	562	282	2000	35	0000000
2173943	C	.00	18.00	.00	1.00	1.00	.00	.00	250	10	WW3	520	270	1625	28	0000000
5115196	A	.00	19.90	.00	1.00	1.00	.00	.00	250	30	WW3	520	270	1625	35	0000000
0814260	A	.00	26.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
0814261	A	.00	32.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
0483393	A	.00	33.20	.00	1.00	1.00	.00	.00	250	15	WW3	562	282	2000	35	0000000
0483392	A	.00	35.80	.00	.50	.50	.00	.00	250	15	WW3	562	282	2000	35	0000000
2155508	C	.00	41.70	.00	.50	.50	.00	.00	250	6	WW3	520	270	1625	35	0000000
0814262	A	.00	52.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
0814209	A	.00	54.90	.00	1.00	1.00	.00	.00	50	3	WW3	400	135	1500	27	0000000
5052703	A	.00	60.00	.00	1.00	1.00	.00	.00	100	10	WW	530	180	2120	28	0000000
0483399	A	.00	71.60	.00	.50	.50	.00	.00	250	30	WW3	562	281	2000	35	0000000
0814263	A	.00	80.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
5052718	A	.00	80.00	.00	1.00	1.00	.00	.00	100	10	WW	530	180	2120	28	0000000
5052704	A	.00	85.00	.00	1.00	1.00	.00	.00	100	10	WW3	530	180	2000	28	0000000
0814264	A	.00	104.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
5052705	A	.00	105.00	.00	1.00	1.00	.00	.00	100	10	WW3	530	180	2000	28	0000000
2163443	A	.00	147.00	.00	.50	.50	.00	.00	250	10	WW3	520	270	1625	35	0000000
0814265	A	.00	160.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
0814266	A	.00	208.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
2163722	A	.00	300.00	.00	1.00	1.00	.00	.00	500	10	WW3	835	332	1625	35	0000000
5052706	A	.00	500.00	.00	1.00	1.00	.00	.00	100	10	WW3	530	180	2000	28	0000000
0814267	A	.00	320.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
0814268	A	.00	416.00	.00	.05	.05	.00	.00	100	10	WW3	520	180	1500	28	0000000
2155075	A	.00	500.00	.00	5.00	5.00	.00	.00	125	10	WW3	1020	395	1625	35	0000000
8519484	A	.00	549.00	.00	.05	.05	.00	.00	500	10	WW3	835	332	1500	34	0000000
0814269	A	.00	640.00	.00	.05	.05	.00	.00	250	10	WW3	540	270	1500	35	0000000
0814270	A	.00	832.00	.00	.05	.05	.00	.00	250	10	WW3	540	270	1500	35	0000000
5615712	A	.00	.00	1.00	.50	.50	.00	.00	30	30	WW3	343	125	1625	25	0000000
0183998	A	.00	.00	5.25	1.00	1.00	.00	.00	15	15	WW3	563	563	1500	000	0000000
4430025	A	.00	.00	6.00	.50	.50	.00	.00	10	30	WW3	343	125	1500	25	0000000
2145003	C	.00	.00	10.00	.01	.01	.00	.00	250	15	WW3	540	270	1625	35	0000000
2391919	A	.00	.00	12.80	.10	.10	.00	.00	250	10	WW3	540	270	1500	35	0000000
0483469	A	.00	.00	14.00	.10	.10	.00	.00	100	10	WW3	531	175	2000	28	0000000
0483471	A	.00	.00	30.10	.10	.10	.00	.00	250	10	WW3	562	282	2000	35	0000000
2396448	A	.00	.00	32.00	.10	.10	.00	.00	250	10	WW3	504	252	1500	35	0000000
0483472	A	.00	.00	32.40	.10	.10	.00	.00	250	10	WW3	562	282	2000	35	0000000
0483473	A	.00	.00	33.20	.10	.10	.00	.00	250	10	WW3	562	282	2000	35	0000000
0483474	A	.00	.00	39.20	.10	.10	.00	.00	500	10	WW3	562	282	2000	35	0000000
0483475	A	.00	.00	40.20	.10	.10	.00	.00	500	10	WW3	874	328	2000	35	0000000
0483476	A	.00	.00	43.20	.10	.10	.00	.00	500	10	WW3	874	328	2000	35	0000000
0483477	A	.00	.00	45.30	.10	.10	.00	.00	500	10	WW3	874	328	2000	35	0000000

E45-0359 Rev. 2

IBM Internal Use Only

2-122

September 15, 1982

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 3 06/30/82 23:14 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23583 DR/PART NO/LIMIT.

PART NUMBER	T U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	TOL		POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY		LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
				RESIS MILOHM	%					MX-LGTH MILS	MX-DIA MILS			
0483478	A	.00	47.50	.10	.10	.00	500	10	WW3	874	328	2000	35	0000000
0483479	A	.00	49.90	.10	.10	.00	500	10	WW3	874	328	2000	35	0000000
0483480	A	.00	52.30	.10	.10	.00	500	10	WW3	874	328	2000	35	0000000
0483481	A	.00	56.20	.10	.10	.00	500	10	WW3	874	328	2000	35	0000000
0483482	A	.00	59.00	.10	.10	.00	500	10	WW3	874	328	2000	35	0000000
0483483	A	.00	69.80	.10	.10	.00	500	10	WW3	874	328	2000	35	0000000
5052690	A	.00	100.00	.10	.10	.00	100	5	WW3	530	180	2000	28	0000000
0483484	A	.00	130.00	.10	.10	.00	500	10	WW3	874	328	2000	35	0000000
5052691	A	.00	200.00	.10	.10	.00	100	5	WW3	530	180	2000	28	0000000
2155091	A	.00	225.00	.01	.01	.00	500	3	WW3	835	332	1625	35	0000000
0483470	A	.00	243.00	.10	.10	.00	250	10	WW3	562	282	2000	35	0000000
2396878	A	.00	250.00	.10	.10	.00	100	15	WW3	520	180	1500	28	0000000
2145066	A	.00	350.00	.05	.05	.00	100	3	WW3	540	180	1625	28	0000000
2395827	A	.00	400.00	.01	.01	.00	100	5	WW3	520	180	1500	28	0000000
2391646	A	.00	497.00	.25	.25	.00	500	10	WW3	835	332	1500	35	0000000
1582933	A	.00	500.00	.05	.05	.00	100	10	WW3	406	203	1500	32	0000000
2396879	A	.00	500.00	.10	.10	.00	100	15	WW3	520	180	1500	28	0000000
2391647	A	.00	501.00	.25	.25	.00	500	10	WW3	835	332	1500	35	0000000
2391648	A	.00	505.00	.25	.25	.00	500	10	WW3	835	332	1500	35	0000000
2391649	A	.00	507.00	.25	.25	.00	500	10	WW3	835	332	1500	35	0000000
2391902	A	.00	511.00	.25	.25	.00	500	10	WW3	835	332	1500	35	0000000
2391903	A	.00	515.00	.25	.25	.00	500	10	WW3	835	332	1500	35	0000000
2163720	A	.00	600.00	1.00	1.00	.00	250	10	WW3	540	290	1625	35	0000000
2396886	A	.00	600.00	.10	.10	.00	500	15	WW3	835	332	1500	35	0000000
2155079	A	.00	750.00	.10	.10	.00	50	10	WW3	835	332	1625	35	0000000
2155090	A	.00	750.00	.01	.01	.00	500	3	WW3	835	332	1625	35	0000000
2182581	C	.00	750.00	1.00	1.00	.00	250	10	WW3	530	270	1625	28	0000000
0814211	A	.00	787.00	1.00	1.00	.00	50	3	WW3	400	135	1500	27	0000000
TOTAL RECORDS		124												

PASSIVE COMPONENTS MANUAL

WIREWOUND RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

23585 - Aluminum Housed

PG. 1 06/30/82 23:15 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CALL REEL DCS#N EQ 23585 DR/PARI NO/LIMIT.

PART NUMBER	U RESIST C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MILOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC RES PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
1582538	A	.00	1.00	.00		5.00	5.00	10.00		30	ALHD	781	815	374	LUG	1582538
5615990	A	.00	1.00	.00		1.00	1.00	25.00		20	ALHD	1093	1125	500	LUG	0207385
4430034	A	.00	1.50	.00		5.00	5.00	10.00		20	ALHD	781	815	374	LUG	1582538
4429997	A	.00	3.00	.00		5.00	5.00	10.00		20	ALHD	781	815	374	LUG	1582538
8493349	A	.00	3.00	.00		3.00	3.00	25.00		20	ALHD	1093	1125	500	LUG	0207385
1589493	A	.00	5.00	.00		1.00	1.00	25.00		20	ALHD	1093	1125	500	LUG	0207385
4481270	A	.00	7.50	.00		3.00	3.00	25.00		20	ALHD	1093	1125	500	LUG	0207385
2396838	A	.00	12.00	.00		5.00	5.00	50.00		200	ALHD	1999	630	468	LUG	0207385
2397006	A	.00	15.00	.00		3.00	3.00	50.00		50	ALHD	1999	630	468	LUG	0473476
8493461	A	.00	20.00	.00		5.00	5.00	5.00		20	ALHD	631	349	324	LUG	8493460
8493548	A	.00	20.00	.00		5.00	5.00	25.00		20	ALHD	1093	1125	500	LUG	0207385
2397007	A	.00	37.60	.00		3.00	3.00	50.00		50	ALHD	1999	630	468	LUG	0473476
2195636	A	.00	.00	1.00		5.00	5.00	50.00		50	ALHD	1999	630	468	LUG	0473476
2397040	A	.00	.00	1.00		3.00	3.00	25.00		50	ALHD	1093	1125	500	LUG	0207385
5214795	A	.00	.00	1.00		3.00	3.00	10.00		50	ALHD	781	815	374	LUG	1582538
8272295	A	.00	.00	1.00		1.00	1.00	25.00		50	ALHD	1093	565	500	LUG	0000000
1589492	A	.00	.00	1.20		1.00	1.00	25.00		50	ALHD	1093	1125	500	LUG	0207385
8493394	A	.00	.00	1.50		3.00	3.00	50.00		50	ALHD	2812	656	468	LUG	0000000
0837684	A	.00	.00	2.00		3.00	3.00	50.00		20	ALHD	1999	630	468	LUG	0473476
5615711	A	.00	.00	2.00		1.00	1.00	25.00		50	ALHD	1093	1125	500	LUG	0207385
0837683	A	.00	.00	3.00		3.00	3.00	50.00		20	ALHD	1999	630	468	LUG	0473476
2396459	A	.00	.00	3.00		5.00	5.00	25.00		50	ALHD	1120	788	440	LUG	0000000
2397033	A	.00	.00	3.90		3.00	3.00	10.00		50	ALHD	781	815	374	LUG	1582538
1589163	A	.00	.00	4.00		5.00	5.00	50.00		50	ALHD	1999	630	468	LUG	0473476
2281870	A	.00	.00	4.00		5.00	5.00	25.00		50	ALHD	1093	1125	500	LUG	0000000
2396712	A	.00	.00	5.00		5.00	5.00	50.00		20	ALHD	1999	630	468	LUG	0473476
4430023	A	.00	.00	5.00		5.00	5.00	10.00		50	ALHD	781	815	374	LUG	1582538
5617065	A	.00	.00	5.00		5.00	5.00	25.00		50	ALHD	1094	1125	500	LUG	0207385
8493122	C	.00	.00	5.00		3.00	3.00	50.00		50	ALHD	2000	650	468	QKDC	0000000
1582656	A	.00	.00	6.00		5.00	5.00	25.00		50	ALHD	1093	1125	500	LUG	0207385
2410187	A	.00	.00	6.00		5.00	5.00	50.00		50	ALHD	1999	630	468	LUG	0473476
2410188	A	.00	.00	7.00		5.00	5.00	50.00		50	ALHD	1999	630	468	LUG	0473476
5617078	C	.00	.00	8.00		3.00	3.00	50.00		50	ALHD	2000	650	468	QKDS	0000000
6832322	A	.00	.00	8.00		3.00	3.00	25.00		50	ALHD	1093	1125	500	LUG	0207385
2397032	A	.00	.00	9.00		3.00	3.00	5.00		50	ALHD	1187	348	374	LUG	0000000
2397037	A	.00	.00	9.00		3.00	3.00	25.00		50	ALHD	1093	1125	500	LUG	0207385
4429608	A	.00	.00	9.00		3.00	3.00	50.00		50	ALHD	1999	630	468	LUG	0473476
1582676	A	.00	.00	10.00		5.00	5.00	50.00		30	ALHD	1999	630	468	LUG	0473476
4430024	A	.00	.00	10.00		5.00	5.00	10.00		30	ALHD	781	815	374	LUG	1582538
8493232	C	.00	.00	10.00		3.00	3.00	50.00		50	ALHD	2000	650	468	QKDC	0000000
2395807	A	.00	.00	11.00		3.00	3.00	10.00		50	ALHD	781	815	374	LUG	1582538
5615439	A	.00	.00	11.00		5.00	5.00	50.00		30	ALHD	1999	630	468	LUG	0473476
4429657	A	.00	.00	12.00		1.00	1.00	25.00		30	ALHD	1093	1125	500	LUG	0207385
5214793	A	.00	.00	12.00		3.00	3.00	10.00		50	ALHD	781	815	374	LUG	1582538
8493123	C	.00	.00	12.00		3.00	3.00	50.00		50	ALHD	2000	650	468	QKDC	0000000
1582618	A	.00	.00	13.00		3.00	3.00	50.00		50	ALHD	1999	630	468	LUG	0473476
1582911	A	.00	.00	13.00		5.00	5.00	50.00		30	ALHD	1999	630	468	LUG	0473476
5615568	A	.00	.00	13.00		3.00	3.00	25.00		30	ALHD	1093	1125	500	LUG	0207385

PASSIVE COMPONENTS MANUAL

Component Data Bank - P/N Catalog
Wirewound Resistors

PG. 2 06/30/82 23:15 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REEL DCS#N EQ 23585 DR/PARI NO/LIMIT.

PART NUMBER	U C	RESIST MEGOHM	RESIS K-OHM	RES. OHMS	RESIS MIOHM	TOL %	TOL %	POWER WATTS	PWR MIL-W	TC PPM	RES TYPE	BODY MX-LGTH MILS	BODY MX-DIA MILS	LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
6832321	A	.00	.00	15.00		3.00	3.00	10.00			30 ALHD	781	815	374	LUG	1582538
0813232	A	.00	.00	16.00		5.00	5.00	25.00			30 ALHD	1093	1125	500	LUG	0207385
8493124	C	.00	.00	18.00		3.00	3.00	50.00			50 ALHD	2000	650	468	QKDC	0000000
1582879	A	.00	.00	20.00		3.00	3.00	50.00			30 ALHD	1999	630	468	LUG	0473476
2283009	A	.00	.00	20.00		5.00	5.00	10.00			30 ALHD	781	815	374	LUG	1582538
2397041	A	.00	.00	20.00		3.00	3.00	50.00			30 ALHD	1999	630	468	LUG	0473476
2410185	A	.00	.00	20.00		5.00	5.00	50.00			50 ALHD	1999	630	468	LUG	0473476
5214095	A	.00	.00	20.00		5.00	5.00	25.00			50 ALHD	1094	700	468	LUG	0000000
5615569	A	.00	.00	20.00		3.00	3.00	25.00			30 ALHD	1093	1125	500	LUG	0207385
8493125	C	.00	.00	20.00		3.00	3.00	50.00			50 ALHD	2000	650	468	QKDC	0000000
1582614	A	.00	.00	21.00		1.00	1.00	50.00			50 ALHD	1999	630	468	LUG	0473476
1582619	A	.00	.00	25.00		5.00	5.00	50.00			50 ALHD	1999	630	468	LUG	0473476
8493126	C	.00	.00	25.00		3.00	3.00	50.00			50 ALHD	2000	650	468	QKDC	0000000
5616987	A	.00	.00	30.00		5.00	5.00	10.00			30 ALHD	781	815	374	LUG	1582538
8278946	A	.00	.00	30.00		3.00	3.00	25.00			30 ALHD	1093	1125	500	LUG	0207385
1582615	A	.00	.00	33.00		5.00	5.00	10.00			30 ALHD	781	815	374	LUG	1582538
2397034	A	.00	.00	35.00		3.00	3.00	50.00			30 ALHD	1999	630	468	LUG	0473476
2397035	A	.00	.00	40.00		3.00	3.00	50.00			30 ALHD	1999	630	468	LUG	0473476
4429708	A	.00	.00	40.00		5.00	5.00	25.00			30 ALHD	1093	1125	500	LUG	0207385
0801615	A	.00	.00	50.00		5.00	5.00	50.00			20 ALHD	1999	630	468	LUG	0473476
5240461	A	.00	.00	50.00		5.00	5.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
0813233	A	.00	.00	60.00		5.00	5.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
1582616	A	.00	.00	65.00		5.00	5.00	10.00			30 ALHD	781	815	374	LUG	1582538
2396665	A	.00	.00	70.00		5.00	5.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
0801611	A	.00	.00	75.00		5.00	5.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
1582617	A	.00	.00	80.00		1.00	1.00	5.00			30 ALHD	1187	788	374	LUG	0000000
4481496	A	.00	.00	80.00		5.00	5.00	50.00			20 ALHD	1999	630	468	LUG	0473476
0207385	A	.00	.00	100.00		3.00	3.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
0474822	A	.00	.00	100.00		5.00	5.00	50.00			20 ALHD	1999	630	468	LUG	0473476
5240462	A	.00	.00	130.00		5.00	5.00	50.00			20 ALHD	1999	630	468	LUG	0473476
8519680	A	.00	.00	150.00		5.00	5.00	50.00			50 ALHD	2000	650	468	QKDC	0000000
0473476	A	.00	.00	200.00		1.00	1.00	50.00			20 ALHD	1999	630	468	LUG	0473476
1582540	A	.00	.00	200.00		5.00	5.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
5261946	A	.00	.00	250.00		5.00	5.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
5616069	A	.00	.00	300.00		1.00	1.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
8493460	A	.00	.00	330.00		5.00	5.00	5.00			20 ALHD	631	349	324	LUG	8493460
1582993	A	.00	.00	400.00		3.00	3.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
4481495	A	.00	.00	400.00		3.00	3.00	50.00			20 ALHD	1999	630	468	LUG	0473476
1582539	A	.00	.00	500.00		5.00	5.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
4429709	A	.00	.00	750.00		5.00	5.00	25.00			20 ALHD	1093	1125	500	LUG	0207385
4481471	A	.00	.00		2	5.00	5.00	10.00			90 ALHD	781	815	374	LUG	1582538
4481630	A	.00	.00		50	3.00	3.00	25.00			90 ALHD	1093	1125	500	LUG	0207385
4481810	A	.00	.00		50	1.00	1.00	25.00			90 ALHD	1094	700	468	LUG	0000000
5615709	A	.00	.00		50	1.00	1.00	10.00			50 ALHD	781	815	374	LUG	1582538
4481492	A	.00	.00		70	3.00	3.00	10.00			90 ALHD	781	815	374	LUG	1582538
4481350	A	.00	.00		75	1.00	1.00	12.50			90 ALHD	781	815	374	LUG	1582538
5615710	A	.00	.00		100	1.00	1.00	10.00			50 ALHD	781	815	374	LUG	1582538
8278929	A	.00	.00		100	1.00	1.00	25.00			90 ALHD	1093	1125	500	LUG	0207385
4481493	A	.00	.00		110	3.00	3.00	25.00			90 ALHD	1093	1125	500	LUG	0207385
4430057	A	.00	.00		200	5.00	5.00	25.00			90 ALHD	1093	1125	500	LUG	0207385
4481494	A	.00	.00		200	3.00	3.00	50.00			90 ALHD	1999	630	468	LUG	0473476
4430069	A	.00	.00		300	3.00	3.00	25.00			90 ALHD	1093	1125	500	LUG	0207385
2397011	A	.00	.00		400	1.00	1.00	50.00			50 ALHD	1999	630	468	LUG	0473476
2449171	A	.00	.00		400	3.00	3.00	25.00			90 ALHD	1093	1125	500	LUG	0207385
5214468	C	.00	.00		500	3.00	3.00	12.50			100 ALHD	820	500	310	LUG	0000000
8519608	A	.00	.00		500	1.00	1.00	25.00			90 ALHD	1093	1125	500	LUG	0207385
TOTAL RECORDS																104

PASSIVE COMPONENTS MANUAL

WIREWOUND RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

23589 - Specials

P. 1 06/30/82 23:16 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
CALL REE1 DCS#N EQ 23589 DR/PARI NO/LIMIT.

PART NUMBER	U RESIST C MEGOHM	RESIS K-OHM	RES. OHMS	RESIS TOL		POWER WATTS	PWR MIL-W	TC RES PPM	BODY		LEAD NOM-LGT MILS	LEAD MAX-DIA MILS	TAB DRAW NUM.
				MILOHM	%				MX-LGTH MILS	MX-DIA MILS			
2155518 A	.00	.00	.00	.00	.00	.00					SEE	PRNT	0000000
8803006 C	.00	1.00	.00	10.00	10.00	10.00		200	ADJ	1812	500	LUG	LUG 0000000
8519265 C	.00	1.00	.00	5.00	5.00	5.00		300	WW2	910	380	1500	38 0000000
8519267 C	.00	3.00	.00	5.00	5.00	15.00		300	WW2	1910	500	1500	38 0000000
8519266 C	.00	10.00	.00	5.00	5.00	10.00		300	WW2	1910	380	1500	38 0000000
8493390 A	.00	11.00	.00	5.00	5.00	7.00		300	WW2	1420	380	1500	38 0000000
8493391 A	.00	22.00	.00	5.00	5.00	10.00		300	WW2	1910	500	1500	38 0000000
2155517 A	.00	.00	1.00	.05	.05	.00	250	15	WW3	1420	270	550	35 0000000
4481340 C	.00	.00	1.00	5.00	5.00	25.00			CB1	2500	500	1500	42 0000000
8519563 C	.00	.00	1.60	5.00	5.00	5.00				880	350	1500	38 0000000
8493457 C	.00	.00	2.00	5.00	5.00	7.00			TLR	1420	380	1500	38 0000000
8493455 C	.00	.00	3.60	5.00	5.00	5.00			TLR	910	380	1500	38 0000000
0128319 A	.00	.00	4.80	9.00	9.00	.00			WW1	7625	750	LUG	LUG 0000000
8493453 C	.00	.00	6.80	5.00	5.00	3.00			TLR	910	310	1500	38 0000000
8493458 C	.00	.00	6.80	5.00	5.00	7.00			TLR	1420	380	1500	38 0000000
2155519 A	.00	.00	10.00	.05	.05	.00	250	15	WW3	1420	270	550	35 0000000
8493874 C	.00	.00	10.00	5.00	5.00	2.00		550	WW2	720	280	1500	34 0000000
8493456 C	.00	.00	13.00	5.00	5.00	5.00			TLR	910	380	1500	38 0000000
4481497 C	.00	.00	15.00	5.00	5.00	10.00			CB1	1880	380	1500	38 0000000
8493454 C	.00	.00	27.00	5.00	5.00	3.00			TLR	910	310	1500	38 0000000
8519264 C	.00	.00	48.00	5.00	5.00	25.00		300	WW2	2530	500	1500	42 0000000
0317324 A	.00	.00	50.00	10.00	10.00	100.00			ADJ	6500			0000000
0317449 A	.00	.00	50.00	5.00	5.00	50.00			ADJ	4500			0000000
0332792 A	.00	.00	50.00	5.00	5.00	25.00			ADJ	2000			0000000
0365926 A	.00	.00	50.00	10.00	10.00	50.00			ADJ	4500	850	ADJ	LUG 0000000
0010672 A	.00	.00	62.00	.00	.00	.00				3000	563	SLRG	SLRG 0000000
4481341 C	.00	.00	75.00	5.00	5.00	18.00			CB1	1880	500	1500	38 0000000
4481342 C	.00	.00	100.00	5.00	5.00	25.00			CB1	2500	500	1500	42 0000000
0505375 A	.00	.00	200.00	5.00	5.00	10.00			ADJ	1750			0000000
4481343 C	.00	.00	330.00	5.00	5.00	5.00			CB1	880	410	1500	38 0000000
0473164 A	.00	.00	400.00	10.00	10.00	25.00			ADJ	2000	625	ADV	LUG 0000000
8519564 C	.00	.00	.00	160	5.00	5.00	1.00	600	WW2	400	148	1500	33 0000000
4429632 C	.00	.00	.00	510	5.00	5.00	3.00	300	2CB	910	340	1500	38 0000000
8519562 C	.00	.00	.00	750	5.00	5.00	7.00			1390	350	1500	38 0000000
TOTAL RECORDS	34												

PASSIVE COMPONENTS MANUAL

TEMPERATURE SENSITIVE RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

23562 - Thermistor Type NTC

PG. 1 06/30/82 23:16 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY																					
CDB/TSR		DCS EQ 23562		ALL/TSR		TSR/PARI		TECH DCS		NO/LIMIT.		RESISTANCE		RESISTANCE		RESISTANCE		D.C.		TEMP. T	
PART NUMBER	0 DEG C	TOL. +-%	25 DEG C	TOL. +-%	50 DEG C	TOL. +-%	75 DEG C	TOL. +-%	100 DEG C	TOL. +-%	MW/ DEG C	T.C. SEC.	%/DEG C	COEF. U	DCS CODE						
0441376	2814.0000	15.0	1000.0000	10.0	410.0000	15.0	189.0000	17.0	95.6000	20.0	2.0	15	-3.83	A	23562						
0473697	9.4700	16.0	3.8000	12.0	1.7220	10.0	.8640	10.0	.4680	10.0	17.0	120	-3.40	A	23562						
0483219	3445.0000	4.0	1000.0000	2.0	349.0000	4.0	140.7000	5.5	63.8000	7.0	6.0	20	-4.40	A	23562						
0483485	340000.0000	4.0	100000.0000	2.0	35200.0000	2.0	14140.0000	3.5	6360.0000	5.0	5.0	45	-4.50	A	23562						
0483508	189700.0000	5.0	48200.0000	5.0	14700.0000	5.0	5240.0000	5.5	2110.0000	6.5	7.0	60	-5.08	A	23562						
0813224	25100.0000	11.0	7954.0000	10.0	3000.0000	10.0	1297.0000	12.0	626.0000	13.0	5.0	45	-4.23	A	23562						
0857604	.3140	16.0	.2000	10.0	.1344	16.0	.0946	20.0	.0689	25.0	13.0	85	-1.69	A	23562						
0854929	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	A	23562						
0856111	9.4700	16.0	3.8000	12.0	1.7220	10.0	.8640	10.0	.4680	10.0	17.0	120	-3.40	A	23562						
1134482	.0	.0	500.0000	10.0	200.0000	.0	.0	.0	.0	.0	3.0	24	.0	C	23562						
1589211	351020.0000	1.5	100000.0000	1.5	33591.0000	1.5	12932.0000	1.5	5569.3000	1.5	1.0	10	4.70	C	23562						
1589255	2850.0000	7.5	1000.0000	5.0	404.8000	7.5	186.6000	9.5	92.3000	11.5	.6	10	.0	C	23562						
1589290	7448.0000	11.0	2025.0000	10.0	663.0000	10.0	253.0000	12.0	108.0000	13.0	6.0	60	-4.81	L	23562						
1589316	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6	-5.00	C	23562						
1589317	.0	.0	.0	.0	.0	.0	.0	.0	91.5000	.0	.3	6	-3.90	C	23562						
1589971	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	N	23562						
1589972	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	N	23562						
2145051	.0	.0	200.0000	10.0	.0	.0	.0	.0	.0	.0	4.2	14	-4.40	A	23562						
2391600	1049000.0000	12.0	263000.0000	10.0	79000.0000	12.0	27650.0000	13.0	11060.0000	15.0	6.6	45	-5.15	A	23562						
2397096	865.0000	5.0	270.0000	10.0	100.0000	5.0	43.0000	5.0	20.0000	5.0	8.0	.0	-4.28	A	23562						
4481933	2.9000	20.0	1.5000	20.0	0.5200	20.0	0.3500	20.0	.0	.0	14.0	50	-3.00	A	23562						
5261380	19720.0000	7.0	5320.0000	5.0	1729.0000	7.0	654.0000	8.5	280.0000	10.0	7.0	.0	-4.84	A	23562						
5261384	559.0000	9.0	198.8000	5.0	81.6000	9.0	37.5000	10.0	19.0000	13.0	5.0	75	-3.83	A	23562						
5261385	.0	.0	33650.0000	5.0	.0	.0	.0	.0	.0	.0	16.0	.0	-5.22	C	23562						
5462467	.0	.0	3000.0000	1.0	1081.0000	1.0	.0	.0	.0	.0	3.1	10	.0	C	23562						
5615404	94980.0000	.5	30000.0000	5.0	10970.0000	5.0	.0	.0	.0	.0	3.0	50	.0	C	23562						
5615405	94980.0000	1.0	30000.0000	10.0	10970.0000	10.0	.0	.0	.0	.0	3.0	50	.0	C	23562						
5615543	5700.00	22.5	2000.00	20.0	810.00	22.5	368.00	25.0	184.6000	27.0	.3	6	-3.90	C	23562						
8493352	5650.0000	12.0	2000.0000	10.0	813.0000	12.0	377.0000	14.0	189.0000	15.0	2.0	8	-3.90	C	23562						
8493644	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	6	-5.00	C	23562						
8493645	.0	.0	.0	.0	.0	.0	.0	.0	91.5000	.0	.3	6	-3.90	C	23562						
TOTAL RECORDS	31																				

Component Data Bank - P/N Catalog
Temperature Sensitive Resistors

PG.	1	06/30/82	23:16	UR0206	***	IBM	INTERNAL USE ***	COMPONENT DATA BANK	INTERNAL USE ONLY
CDB/TSR	DCS	EQ	23562	ALL/TSR	TSR/PAR2	TECH	DCS	NO/LIMIT.	
PART NUMBER	WATTS (MAX)	MAX. TEMP. DEG C	MAX. DIAM MILS	MAX. LGTH MILS	MAX. THCK MILS	PACKAG TYPE	NOTES	T U C	DCS CODE
0441376	.32	150	NTC	150		195	AXIAL		A 23562
0473697	2.50	100	NTC	740		205	RADIAL	MAX THCK INCLUDES LEAD ATTACH	A 23562
0483219	.45	100	NTC	200		40	AXIAL		A 23562
0483485	.68	150	NTC	140	420		RADIAL		A 23562
0483508	.94	100	NTC	220		220	RADIAL	MAX THCK INCLUDES LEAD ATTACH	A 23562
0813224	.68	100	NTC	160	430		RADIAL		A 23562
0837604	2.25	150	NTC	710		350	AXIAL	MAX THCK INCLUDES LEAD ATTACH	A 23562
0854929	.00							ASSEMBLY-NO DATA	A 23562
0856111	2.50	125	NTC	750		205	RADIAL	MAX THCK INCLUDES LEAD ATTACH	A 23562
1134482	.00		NTC	100		250	AXIAL	MAX THCK INCLUDES LEAD ATTACH	C 23562
1589211	.00	150		95			RADIAL	EPOXY COATED BEAD TYPE	C 23562
1589255	.00	300	NTC	70	510		RADIAL	GLASS PROBE	C 23562
1589290	1.00	150	NTC	320		75	RADIAL	CLASS 4	L 23562
1589316	.04	150	NTC	48	100		AXIAL	RES.100K AT 64 DEG C.	C 23562
1589317	.04	300	NTC	48	100		AXIAL	RES.91.5 AT 100 DEG C.	C 23562
1589971	.00								N 23562
1589972	.00								N 23562
2145051	.00		NTC		250	110	RADIAL		A 23562
2391600	.82	150	NTC	240	350		AXIAL		A 23562
2397096	1.00	150	NTC	365		185	RADIAL	MAX THCK INCLUDES LEAD ATTACH	A 23562
4481933	1.20	100	NTC	610		200	RADIAL	RESTS AT 20 60 80 DEG C	A 23562
5261380	.00	150	NTC	220		150	RADIAL	MAX THCK INCLUDES LEAD ATTACH	A 23562
5261384	.88	150	NTC	270		270	RADIAL		A 23562
5261385	.00	150	NTC	495		175	AXIAL		C 23562
5462467	.00	150	NTC	95		95	RADIAL		C 23562
5615404	.00	70	NTC	161	810		RADIAL	DUAL BEAD SS PROBE	C 23562
5615405	.00	100	NTC	161	810		RADIAL	SINGLE BEAD SS PROBE	C 23562
5615543	.03	150	NTC	43	100		AXIAL	BEAD MOUNTED ON HEADER	C 23562
8493352	.00	150	NTC	90	170		AXIAL	GLASS ENCAPSULATED	C 23562
8493644	.04	150	NTC	48	100		AXIAL	RES 100K AT 64 DEG C.	C 23562
8493645	.04	300	NTC	48	100		AXIAL	RES 91.5 AT 100 DEG C.	C 23562
TOTAL RECORDS		31							

PASSIVE COMPONENTS MANUAL

TEMPERATURE SENSITIVE RESISTORS

Component Data Bank - P/N Catalog

DSC CODE

23563 - Sensitor Type PTC

PG. 1 06/30/82 23:16 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CDB/TSR DCS EQ 23563 ALL/TSR TSR/PAR1 TECH DCS NO/LIMIT.

PART NUMBER	RESISTANCE		RESISTANCE		RESISTANCE		RESISTANCE		D.C. W/ DEG C	T.C. SEC.	TEMP. COEF. %/DEG C	T U DCS CODE
	0 DEG C OHMS	TOL. +-%	25 DEG C OHMS	TOL. +-%	50 DEG C OHMS	TOL. +-%	75 DEG C OHMS	TOL. +-%				
0483141	273.0000	10.0	330.0000	10.0	394.0000	10.0	468.0000	10.0	548.0000	10.0	.0	.70 A 23563
0483343	393.0000	7.0	470.0000	5.0	559.0000	7.0	662.0000	9.0	768.0000	12.0	5.0	60 .70 A 23563
0483349	568.0000	10.0	680.0000	10.0	816.0000	10.0	963.0000	10.0	1119.0000	12.0	5.0	60 .70 A 23563
0483362	468.0000	7.0	560.0000	5.0	669.0000	5.0	791.0000	9.0	925.0000	15.0	5.0	60 .70 A 23563
0483432	326.0000	5.0	390.0000	5.0	463.0000	5.0	547.0000	5.5	636.0000	6.0	5.0	60 .70 A 23563
0737867	273.0000	5.0	330.0000	5.0	394.0000	5.0	468.0000	5.5	548.0000	6.0	.0	.70 C 23563
0813278	1820.0000	7.0	2200.0000	5.0	2684.0000	5.0	3168.0000	5.5	3674.0000	12.0	5.0	60 .70 A 23563
0814252	2255.0000	5.0	2700.0000	5.0	3290.0000	5.0	3888.0000	5.5	4510.0000	.0	.0	.70 A 23563
2144023	.0	.0	3480.0000	1.0	.0	.0	.0	.0	.0	.0	.0	A 23563
2172552	.0	.0	680.0000	5.0	831.3000	9.0	.0	.0	.0	.0	.0	C 23563
5616165	419.0000	12.0	500.0000	10.0	590.0000	12.0	700.0000	14.0	811.5000	17.0	5.0	40 .70 C 23563
TOTAL RECORDS	11											

PG. 1 06/30/82 23:16 UR0206 *** IBM INTERNAL USE *** COMPONENT DATA BANK INTERNAL USE ONLY
 CDB/TSR DCS EQ 23563 ALL/TSR TSR/PAR2 TECH DCS NO/LIMIT.

PART NUMBER	WATTS (MAX) W	MAX. TEMP. DEG C	MAX. TYPE	MAX. DIAM MILS	MAX. LGTH MILS	MAX. THCK MILS	PACKAG TYPE	NOTES	T U DCS CODE
0483141	.25		PTC	215	600		AXIAL		A 23563
0483343	.25	150	PTC	215	600		AXIAL		A 23563
0483349	.25	150	PTC	215	600		AXIAL		A 23563
0483362	.25	150	PTC	215	600		AXIAL		A 23563
0483432	.25	150	PTC	215	600		AXIAL		A 23563
0737867	.25		PTC	215	600		AXIAL		C 23563
0813278	.25	100	PTC	215	600		AXIAL		A 23563
0814252	.25	100	PTC	215	600		AXIAL		A 23563
2144023	.12		PTC		250	140	RADIAL	RESIST VALUE AT 15 DEG C	A 23563
2172552	.25		PTC		600		AXIAL		C 23563
5616165	.00	125	PTC	155	420		AXIAL		C 23563
TOTAL RECORDS	11								

