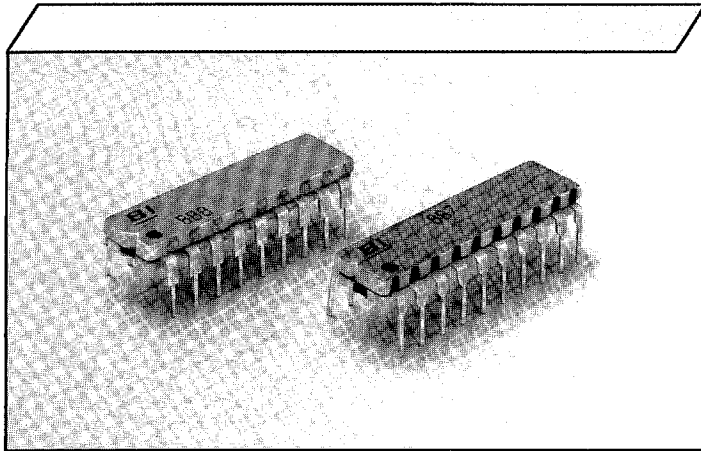


# Model 888, 887 18 & 20 Pin Dual In-Line Thick Film Resistor Network



### Electrical

Standard Resistance Range, Ohms	22 to 2.2 Meg
Standard Resistance Tolerance at 25°C	-1, -3 Circuits ±2% -5 Circuits ±5% (≤33 Ohms = ±2 Ohms)
Operating Temperature Range, °C	-55° to 125°
Temperature Coefficient of Resistance, ppm/°C	±100 (<100 Ohms = ±250)
Temperature Coefficient of Resistance, Tracking, ppm/°C	50
Maximum Operating Voltage, Vdc	100V or √PR
Insulation Resistance, Ohms (Minimum)	10,000 Meg

### Mechanical

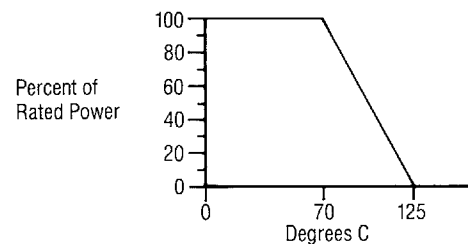
Lead Material	Copper Alloy, 60/40 Tin-Lead Plating
Substrate Material	Alumina
Resistor Material	Cermet

### Environmental (Per MIL-R-83401)

Thermal Shock Plus Power Conditioning	(ΔR) ±0.70%
Short Time Overload	(ΔR) ±0.50%
Terminal Strength	(ΔR) ±0.25%
Moisture Resistance	(ΔR) ±0.50%
Mechanical Shock	(ΔR) ±0.25%
Vibration Shock	(ΔR) ±0.25%
Low Temperature Storage	(ΔR) ±0.25%
High Temperature Exposure	(ΔR) ±0.50%
Load Life, 1,000 Hours	(ΔR) ±1.00%
Resistance to Soldering Heat (Per MIL-STD-202, Method 210, Cond. B)	(ΔR) ±0.25%
Dielectric Withstanding Voltage, RMS	200V for 1 Minute
Marking Permanency	Per Paragraph 4.6.7
Lead Solderability	Per Paragraph 4.6.6
Flammability	UL-94V-0 Rated
Storage	-55°C to 125°C

Specifications subject to change without notice.

### Power Derating Curve



### Power (Watts) Dissipation @ 70°C

Model	Package	Resistor (Per Circuit)		
		-1	-3	-5
887	2.50	.125	.250	.125
888	2.25	.125	.250	.125

### Ordering Information

Model Series	88 7 -5- R220 / 330 F	Tolerance Code (If other than standard) F = ±1% G = ±2% J = ±5%
Number of Leads	8 = 18 Leads 7 = 20 Leads	
Circuit Type	1 = Bussed 3 = Isolated 5 = Dual Terminator	R2 Resistance Value Add for -5 circuit only
Resistance Value		

### Applicable Documents

MIL-R-83401	— Resistor Networks, Fixed, Film, General Specification
MIL-STD-202	— Test Methods for Electronics and Electrical Component Parts

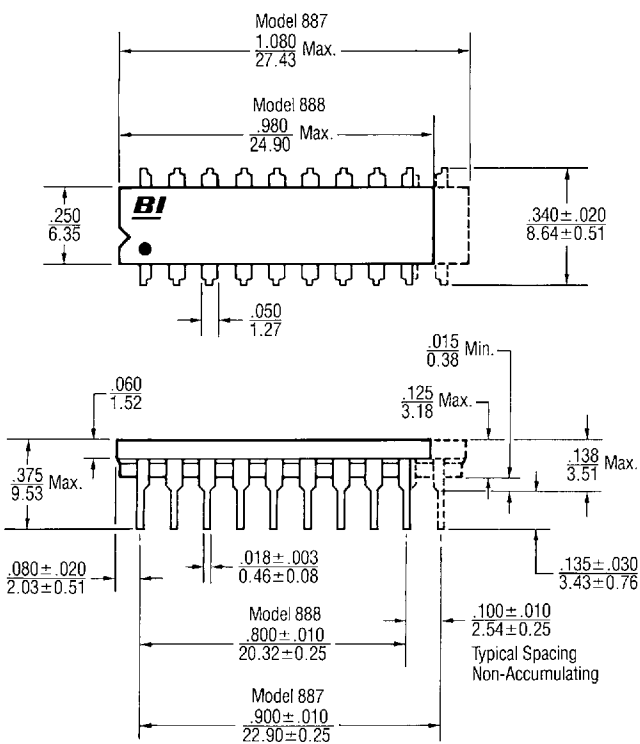
Approved to British Standard Specification BS9450 F0001.

**Beckman Industrial™**

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**Networks**

**Outline Dimensions** inches mm

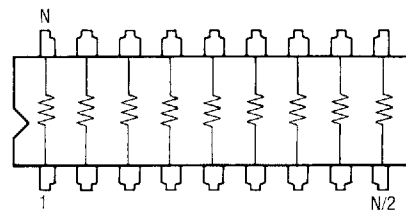


Note: Unless otherwise specified, tolerances are  $\pm \frac{.005}{0.13}$

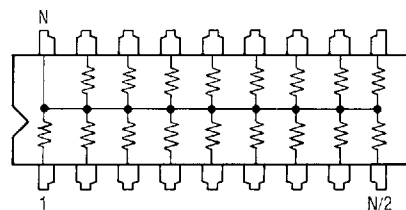
**Schematics: Standard**

888: N = 18 Leads  
887: N = 20 Leads

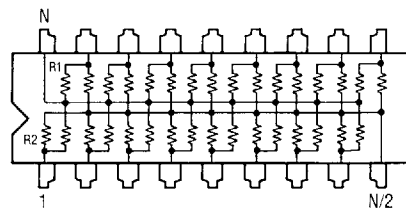
— 3 Circuit Isolated Resistors



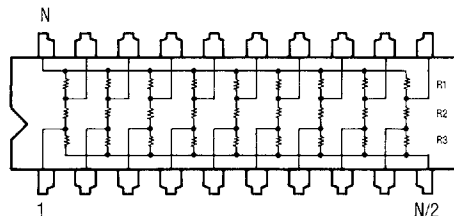
— 1 Circuit Bussed Resistors



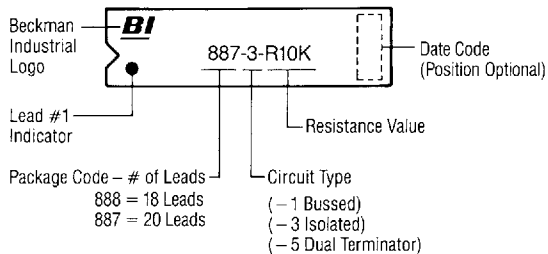
— 5 Circuit Dual Terminator



— 6 Circuit SCSI Terminator



**Typical Part Marking**

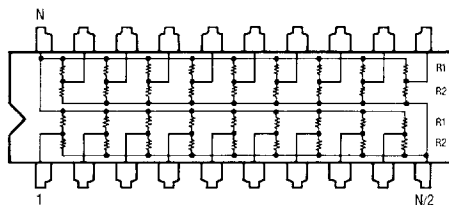
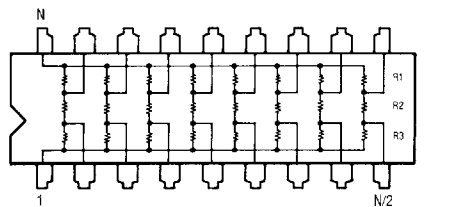


**Packaging**

**Standard: Magazine**  
All units oriented with lead #1 to the same side.  
Magazine: Material = Anti-Static Plastic  
Capacity, Units = 20

**Custom Capabilities**

Circuits shown are representative of our custom circuit capability. Consult factory for additional applications.



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