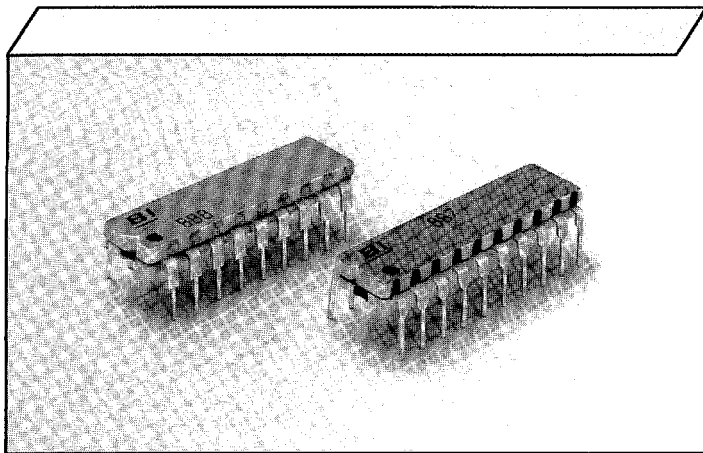


Model 888, 887

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 $\pm 2\%$ -5 Circuits $\pm 5\%$ (≤ 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 $\sqrt{PR}$
Insulation Resistance, Ohms (Minimum)	10,000 Meg

Mechanical

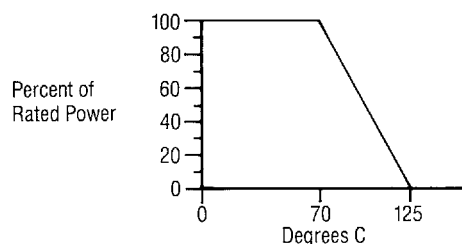
Lead Material	Copper Alloy, 60/40 Tin-Lead Plating
Substrate Material	Alumina
Resistor Material	Cermet

Environmental (Per MIL-R-83401)

Thermal Shock Plus Power Conditioning	(ΔR) $\pm 0.70\%$
Short Time Overload	(ΔR) $\pm 0.50\%$
Terminal Strength	(ΔR) $\pm 0.25\%$
Moisture Resistance	(ΔR) $\pm 0.50\%$
Mechanical Shock	(ΔR) $\pm 0.25\%$
Vibration Shock	(ΔR) $\pm 0.25\%$
Low Temperature Storage	(ΔR) $\pm 0.25\%$
High Temperature Exposure	(ΔR) $\pm 0.50\%$
Load Life, 1,000 Hours	(ΔR) $\pm 1.00\%$
Resistance to Soldering Heat (Per MIL-STD-202, Method 210, Cond. B)	(ΔR) $\pm 0.25\%$
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 = $\pm 1\%$ G = $\pm 2\%$ J = $\pm 5\%$
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

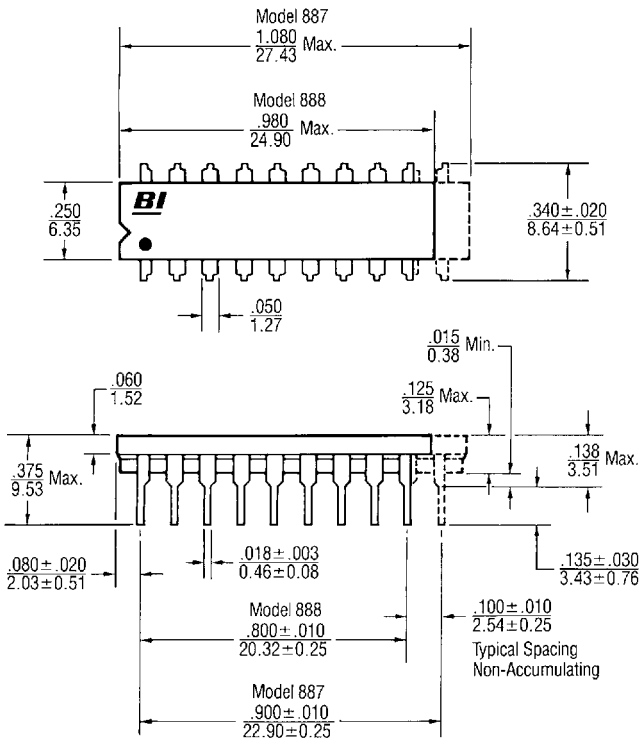
Approved to British Standard Specification BS9450 F0001.

Beckman Industrial™

Affiliate of Emerson Electric Co.

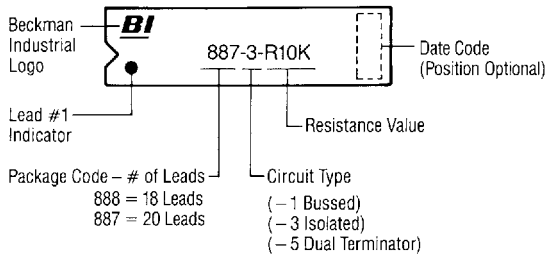
Networks

Outline Dimensions $\frac{\text{inches}}{\text{mm}}$



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

Typical Part Marking



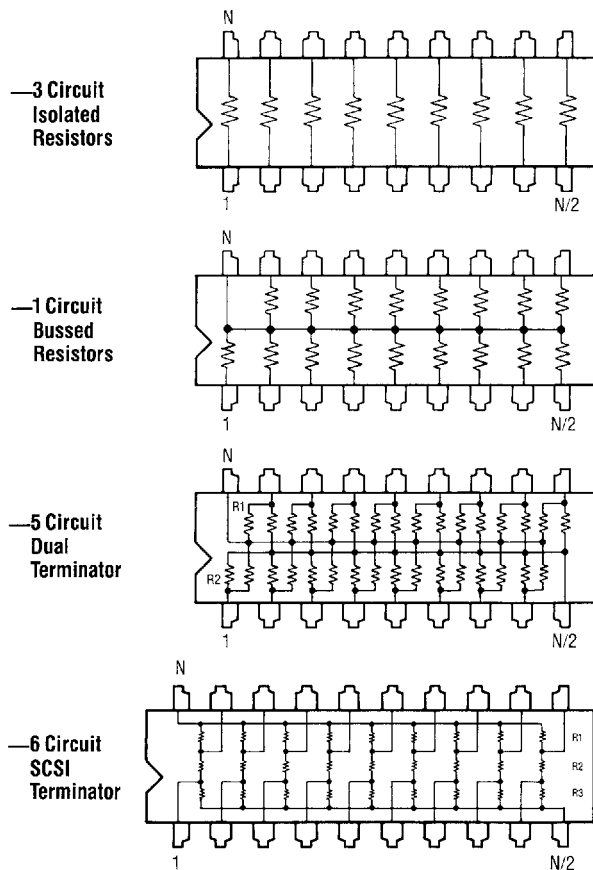
Packaging

Standard: Magazine

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

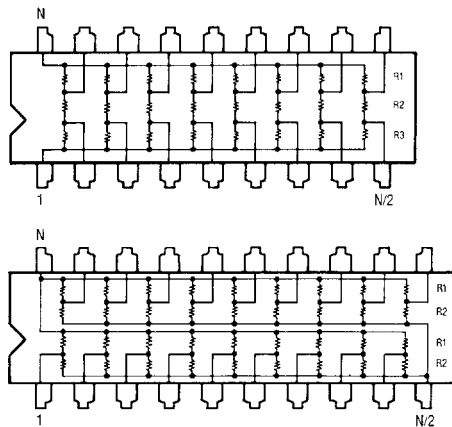
Schematics: Standard

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



Custom Capabilities

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



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