

MODELS 887, 888

20 & 18 Pin DIP

Thick Film

Resistor Network



ELECTRICAL

Standard Resistance Range, Ohms*	10 to 2Meg
Standard Resistance Tolerance, at 25°C	-1, -3 & -5 Circuits: $\pm 2\%$ (<33 Ohms = ± 2 Ohms) -6 Circuit: $\pm 5\%$ Optional: $\pm 1\%$ (F Tol.)
Operating Temperature Range	-55°C to +125°C
Temperature Coefficient of Resistance	± 100 ppm/°C (<100 Ohms = ± 250 ppm/°C)
Temperature Coefficient of Resistance Tracking	± 50 ppm/°C
Maximum Operating Voltage	100Vdc or \sqrt{PR}
Insulation Resistance	$\geq 10,000$ Megohms

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	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 Solder Heat (Per MIL-STD-202, Method 210, Cond.B)	ΔR 0.25%
Dielectric Withstanding Voltage	200V for 1 minute
Marking Permanency	MIL-STD-202, Method 215
Lead Solderability	MIL-STD-202, Method 208
Flammability	UL-94V-O Rated
Storage Temperature Range	-55°C to +125°C

* Plus "0 Ohm" jumper

Specifications subject to change without notice.

MECHANICAL

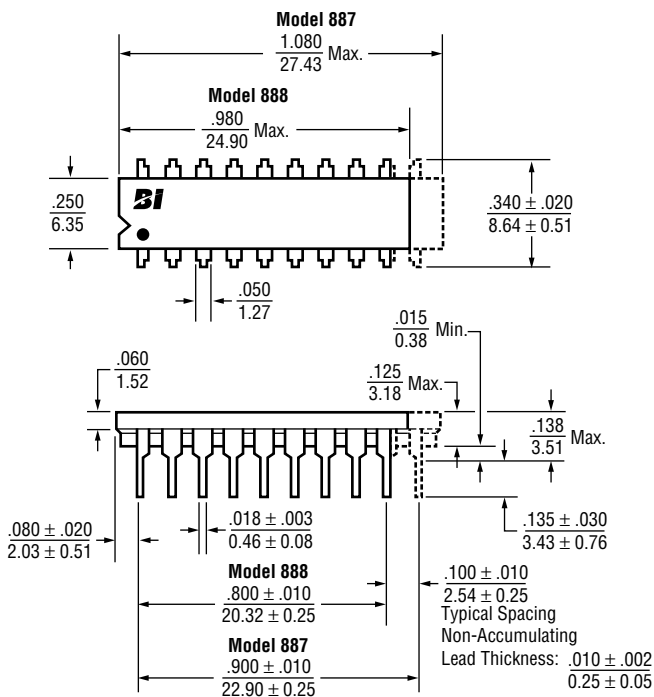
Lead Material	Copper Alloy, 60/40 Tin-Lead (Plating)
Substrate Material	Alumina
Resistor Material	Cermet

APPLICABLE DOCUMENTS

MIL-R-83401 — Resistor Networks, Fixed, Film, General Specifications
MIL-STD-202 — Test Methods for Electronic and Electrical Component Parts
MIL-STD-105 — Sampling Procedures and Tables for Inspection by Attributes

Approved to British Standard Specification BS9450 F0001

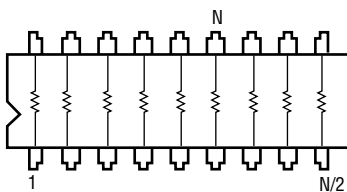
OUTLINE DIMENSIONS (Inch/mm)



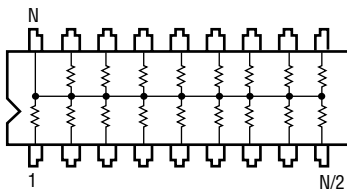
Note: Unless otherwise specified, tolerances are ± $\frac{.005}{0.13}$

SCHEMATICS

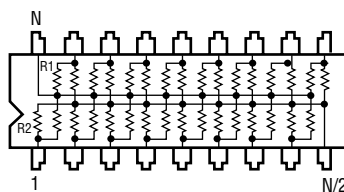
-3 Circuit Isolated Resistors



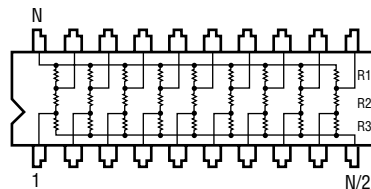
-1 Circuit Bussed Resistors



-5 Circuit Dual Terminator



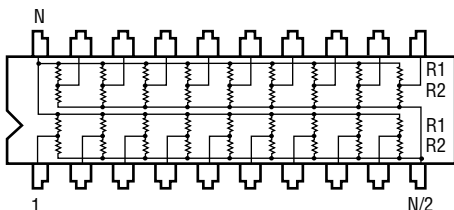
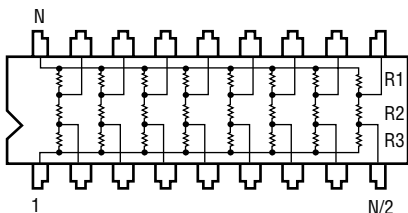
-6 Circuit SCSI Terminator



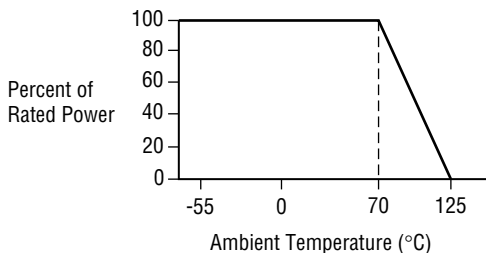
888: N = 18 Leads
887: N = 20 Leads

CUSTOM CAPABILITIES

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



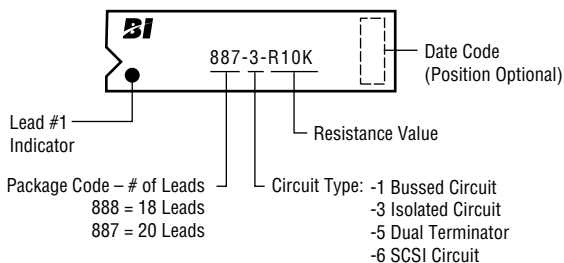
POWER DERATING CURVE



POWER DISSIPATION, WATTS AT 70°C

Model	Package	— Resistor (Per Circuit) —			
		-1	-3	-5	-6
887	2.50	.125	.250	.125	.125
888	2.25	.125	.250	.125	.125

TYPICAL PART MARKING



PACKAGING

Standard: Magazines

All units oriented with lead #1 to the same side.

Magazine:	Material	=	Antistatic Plastic
	Capacity	=	20 Units

ORDERING INFORMATION

