

Features

- Over-voltage/lightning protection to Bellcore GR-1089 & ITU-T K.20
- Standard “off the shelf” designs
- Typical application is secondary protection on telecom line cards

- Custom versions available, including SMD solutions and fuse technology (contact factory)

4B04B - Thick Film Surge Resistor Networks

4B04B-501 (Pair of Matched Resistors)

Product Characteristics

Resistance Values	20Ω - 100Ω
Resistance Tolerance	±1%
TCR	100ppm/°C
Ratio Tolerance	>34Ω ±0.5%
	<34Ω ±1%
Power Dissipation (per resistor) @ 25°C	2W
Temperature Range	-55°C to +125°C

Environmental Characteristics

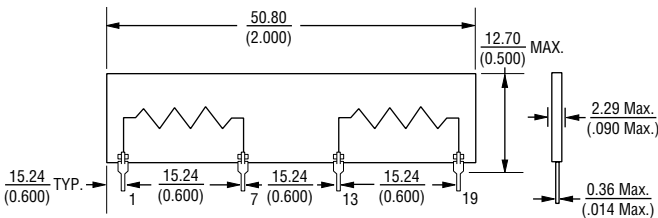
TESTS PER MIL-STD-202	ΔR MAX.
Resistance to Solvents	No Marking Deterioration
Resistance to Solder Heat	±0.5% or 0.5Ω, whichever is greater
Solderability	>95% Coverage
Insulation Resistance	10 MΩ min. (isolated pins)
Bias Humidity Test	50V/85% RH/85°C

Functional Characteristics

Lightning Surge Test	
Bellcore Spec GR-1089	10 x 1000 μsec 1 kV
	2 x 10 μsec 2.5 kV
ITU-T K.20	10 x 700 μsec 2 kV
Power Cross Test	Per Bellcore spec.
	(Vrms applied vary with resistance values)

Physical Characteristics

Body Style	Open Frame SIP
Body Material	96% Alumina
Lead Frame Material	Copper, solder coated
Standard Parts Available Off the Shelf	50Ω, 100Ω



4B04B-502 (Resistor with Thermal Fuse)

Product Characteristics

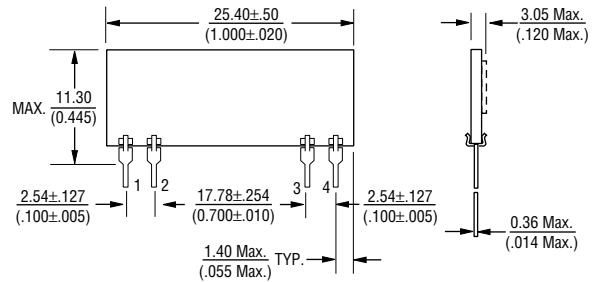
Resistance Values	5.6Ω - 100Ω
Resistance Tolerance	1% (optional), 5% (standard)
TCR	800 ±200ppm/°C
Power Dissipation @ 25°C	2W
Temperature Range	-55°C to +125°C

Functional Characteristics

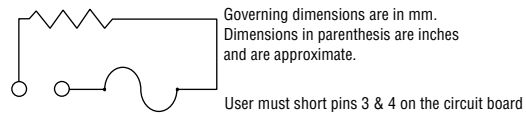
Lightning Surge Test	
Bellcore Spec GR-1089	10 x 1000 μsec 1 kV
	2 x 10 μsec 2.5 kV
Power Cross Test	Per Bellcore spec.
	(Vrms applied vary with resistance values)

Physical Characteristics

Body Style	Open Frame SIP
Body Material	96% Alumina
Lead Frame Material	Copper, solder coated
Standard Parts Available Off the Shelf	5.6Ω, 10Ω, 34Ω

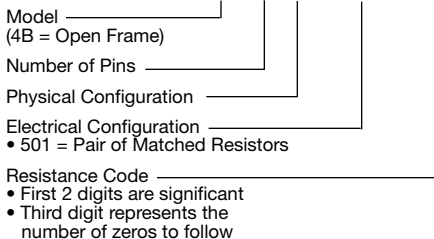


Functional Schematic



How To Order

4B 04 B - 50X - XXX



How To Order

4B 04 B - 50X - XXX J

