



Features

- Overvoltage/lightning protection to ITU-T K.20
- Standard “off-the-shelf” design
- Typical application is secondary protection on telecom line cards

4B08B-503-RC - Surge Line Protection Module

Electrical Characteristics

Resistance Values (R1 = R2)	50 & 100 Ω
Resistance Tolerance	$\pm 2\%$
TCR	100 ppm/ $^{\circ}\text{C}$
Ratio Tolerance	$\pm 1\%$
Power Dissipation (per resistor) @ 25 $^{\circ}\text{C}$	2 W
Temperature Range	-55 $^{\circ}\text{C}$ to +125 $^{\circ}\text{C}$

Environmental Characteristics

Tests per MIL-STD-202	ΔR max.
Resistance to Solvents	No marking deterioration
Resistance to Solder Heat	$\pm 0.5\%$
Solderability	>95 % Coverage
Insulation Resistance	10 M Ω min. (isolated pins)
Bias Humidity Test	50 V / 85 % RH / 85 $^{\circ}\text{C}$

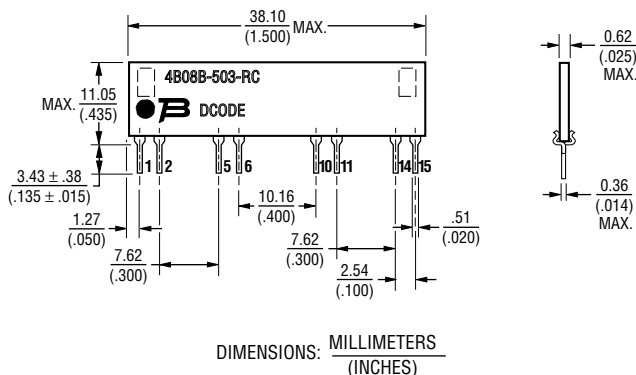
Physical Characteristics

Body Style	Open Frame SIP
Substrate Material	96 % Alumina
Lead Frame Material	Copper, solder coated
Flammability	Conforms to UL94V-0

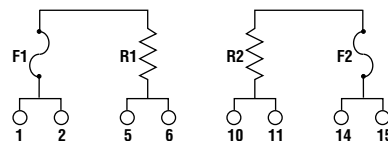
Functional Characteristics

Lightning Surge Test	10 x 700 μSec , 1 KV
Power Induction	300 Vrms
Power Contact	220 Vrms

Product Dimensions



Electrical Schematic



How To Order

Model 4B 08 B - 503 - XXX

(4B = Open Frame)

Number of Pins _____

Physical Configuration _____

Electrical Configuration _____
503 = Matched pair of resistors plus thermal fuse

Resistance Code _____
• 500 = 50 Ω
• 101 = 100 Ω



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