



Features

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

4B08B-513-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.....	$\pm 0.3\%$
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 $^{\circ}\text{C}$

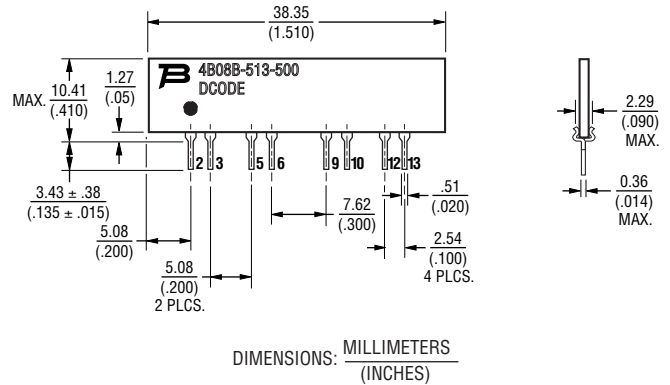
Physical Characteristics

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

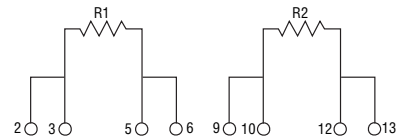
Functional Characteristics

Lightning Surge Test.....	10 x 700 μSec , 1 KV
Power Induction	300 V rms
Power Contact	220 V rms

Product Dimensions



Electrical Schematic



How To Order

4B 08 B - 513 - XXX LF

Model _____
(4B = Open Frame)

Number of Pins _____

Physical Configuration _____

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

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

RoHS Compliant Option _____
Blank = Standard Product
LF = RoHS Compliant Product

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WARNING Cancer and Reproductive Harm

www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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