



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 | ±2 % |
| TCR..... | 100 ppm/°C |
| Ratio Tolerance..... | ±0.3 % |
| Power Dissipation (per resistor) @ 25 °C | 2 W |
| Temperature Range..... | -55 °C to +125 °C |

Environmental Characteristics

| | |
|--------------------------------|----------------------------|
| Tests per MIL-STD-202..... | Δ R max. |
| Resistance to Solvents..... | No marking deterioration |
| Resistance to Solder Heat..... | ± 0.5 Ω |
| Solderability..... | >95 % Coverage |
| Insulation Resistance | 10 MΩ min. (isolated pins) |
| Bias Humidity Test..... | 50 V / 85 % RH / 85 °C |

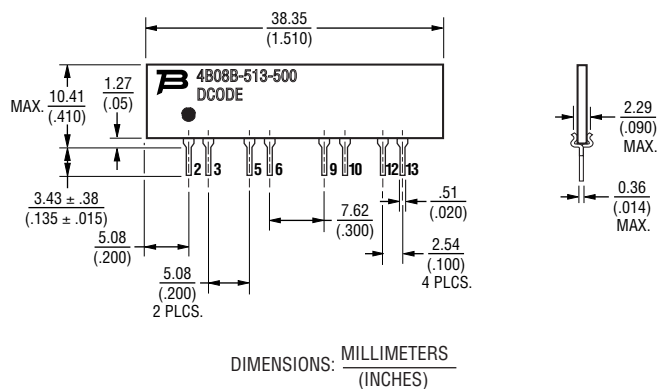
Physical Characteristics

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

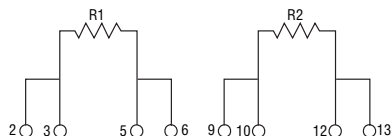
Functional Characteristics

| | |
|---------------------------|---------------------|
| 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

BOURNS®

Asia-Pacific:

TEL +886- (0)2 25624117
FAX +886- (0)2 25624116

Europe:

TEL +41-41 7685555
FAX +41-41 7685510

The Americas:

TEL +1-951 781-5500
FAX +1-951 781-5700

www.bourns.com