

## Features

- 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

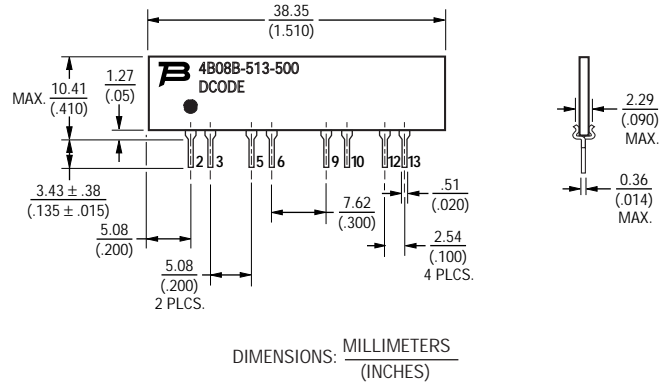
### Physical Characteristics

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

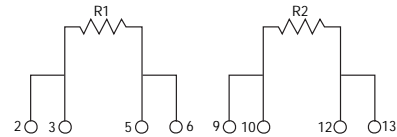
### Functional Characteristics

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**

Model \_\_\_\_\_  
 (4B = Open Frame)

Number of Pins \_\_\_\_\_

Physical Configuration \_\_\_\_\_

Electrical Configuration \_\_\_\_\_  
 513 = Matched pair of resistors plus thermal fuse

Resistance Code \_\_\_\_\_  
 • 500 = 50 Ω  
 • 101 = 100 Ω



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