



## 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-503-RC - Surge Line Protection Module

### Electrical Characteristics

Resistance Values (R1 = R2) .....	50 & 100 Ω
Resistance Tolerance .....	±2 %
TCR .....	100 ppm/°C
Ratio Tolerance .....	±1 %
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

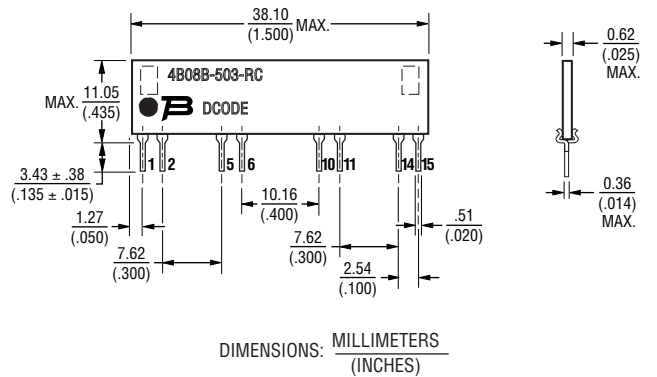
### Physical Characteristics

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

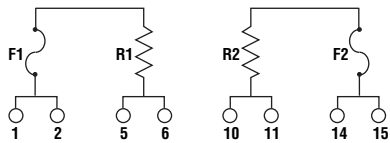
### Functional Characteristics

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

### Product Dimensions



### Electrical Schematic



### How To Order

**4B 08 B - 503 - XXX LF**

Model \_\_\_\_\_  
 (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

RoHS Compliant Option \_\_\_\_\_  
 Blank = Standard Product  
 LF = RoHS Compliant Product



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\*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.  
 Specifications are subject to change without notice.  
 Customers should verify actual device performance in their specific applications.