

### Features

- RoHS compliant\* versions available
- Overcurrent/lightning protection to BELLCORE GR-1089
- Typical application is secondary protection on telecom line cards
- UL497A recognition
- Thermal fuse links

# 4B06B-512-RC - Surge Line Protection Module

**Product Dimensions** 

#### Matched Pair of Resistors

Electrical Characteristics	
Resistance Values (R1 = R2) Resistance Tolerance	
TCR	
Ratio Tolerance	±2 %
Temperature Range	-40 °C to +85 °C

#### Physical Characteristics

Body Style	Open Frame SIP
Substrate Material	
Lead Frame Material	Copper. solder coated
Flammability	
Wave Soldering	

## Functional Characteristics (per Bellcore GR-1089)

First Level Lightning Surge Resistors will remain within tolerance after testing.

1000 Volts Peak, 100 Amp Peak Current, Max. Rise/Min. Decay Time 10x1000 µs, 60 Seconds Between Pulses: ......25 simultaneous each polarity

2500 Volts Peak, 500 Amp Peak Current, Max. Rise/Min. Decay Time 2x10 µs, 60 Seconds Between Pulses: Number of Pulses ......10 simultaneous each polarity

#### First Level AC Power Fault -

Resistors will remain within tolerance after testing.

50 Vrms, 0.33 Amp Short Circuit Current: Duration	15 minutes
100 Vrms, 0.17 Amp Short Circuit Current: Duration	15 minutes

600 Vrms, 1.00 Amp Short Circuit Current: 

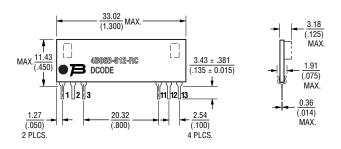
#### Second Level Lightning Surge -

Resistor package must fail safely causing no fire, electrical, or framentation hazard.

5000 Volts Peak, 500 Amp Peak Current, Max. Rise/Min. Decay Time 2x10 µs: Number of Pulses .....1 simultaneous each polarity

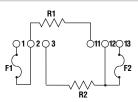
#### Second Level AC Power Fault -

Resistor package must fail safely causing no fire, electrical, or framentation hazard.

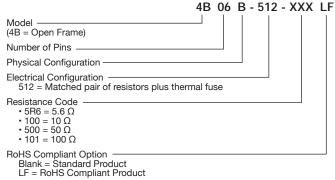




#### **Electrical Schematic**



#### How To Order





Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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