

Features

- RoHS compliant* versions available
- Matched pair of resistors plus fuse with TISP® protection
- Overvoltage and overcurrent protection to BELLCORE GR-1089
- Typical application is secondary protection on telecom line cards
- User selection of TISP4xxxH3BJ

4B06B-540-V_(B01)/V_(B02) - Line Protection Module

Matched Pair of Resistors plus Thermal Fuse with TISP® Protection

Electrical Characteristics

Resistance Values (R1 = R2).....	10Ω
Resistance Tolerance.....	±5 %
TCR.....	100 ppm/°C
Ratio Tolerance.....	±2 %
Temperature Range.....	-40 °C to +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 (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	Number of Pulses.....	.25 each resistor each polarity 25 simultaneous each polarity
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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
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First Level AC Power Fault -

Resistors will remain within tolerance after testing.

50 Vrms, .33 Amp Short Circuit Current, Duration.....	15 minutes
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100 Vrms, .17 Amp Short Circuit Current, Duration.....	15 minutes
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600 Vrms, 1.0 Amp Short Circuit Current, Duration.....	60 One-second pulses
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Second Level Lightning Surge -

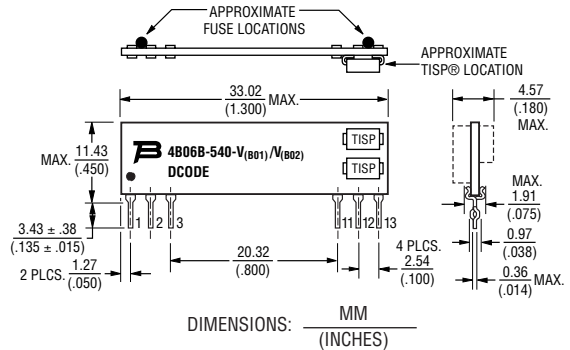
Resistor package must fail safely causing no fire, electrical, or fragmentation hazard.

5000 Volts Peak, 500 Amp Peak Current, Max. Rise/Min. Decay Time 2x10 μs, Number of Pulses.....	1 simultaneous each polarity
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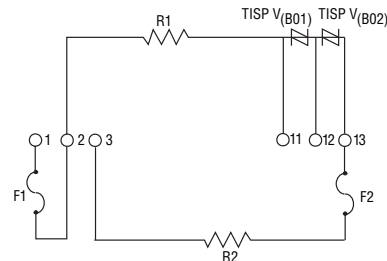
Second Level AC Power Fault -

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

Product Dimensions



Electrical Schematic



How To Order

Model	4B 06 B - 540 - 125 / 219 L
(4B = Open Frame)	
Number of Pins	
Physical Configuration	
Electrical Configuration	
Voltage Breakover - V _(BO)	
• V _(BO1)	
• V _(BO2)	
RoHS Compliant Option	
Blank = Standard Product	
L = 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.

REV. 06/11
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