

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_(BO1)/V_(BO2) - 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 -

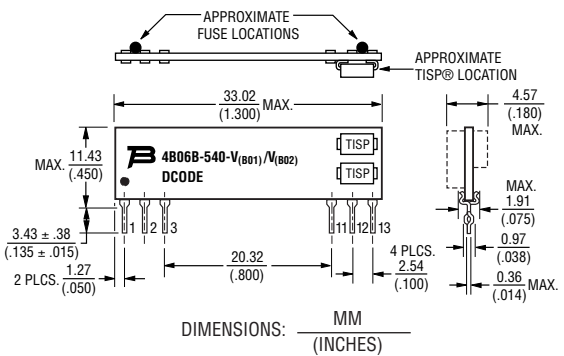
Resistor package must fail safely causing no fire, electrical, or fragmentation hazard.

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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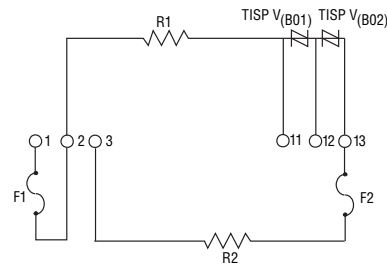
Second Level AC Power Fault -

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

Product Dimensions



Electrical Schematic



How To Order

4B 06 B - 540 - 125 / 219 L

Model _____
 (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



WARNING Cancer and Reproductive Harm

www.P65Warnings.ca.gov

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*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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