



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



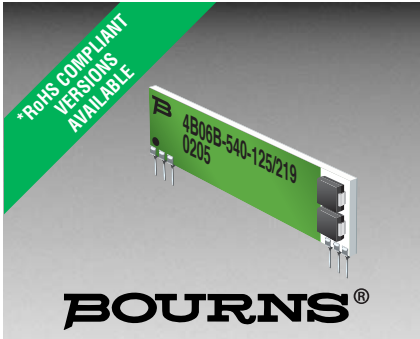
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Features

- 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 -

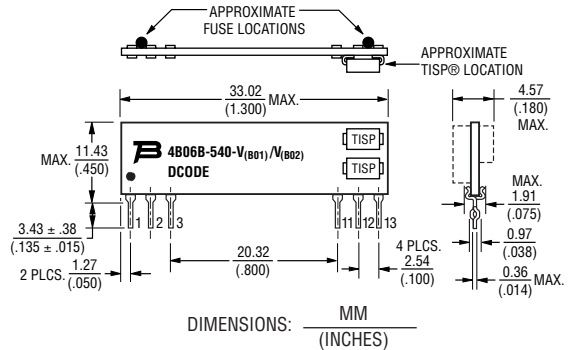
Resistor package must fail safely causing no fire, electrical, or fragmentation hazard.

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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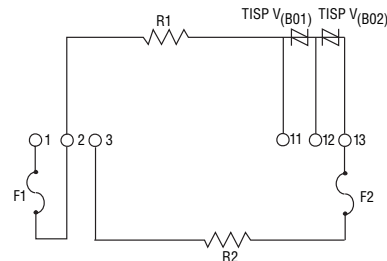
Second Level AC Power Fault -

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

Product Dimensions



Electrical Schematic



How To Order

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	

BOURNS®

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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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