

## Features

- RoHS compliant\* versions available
- Matched pair of resistors plus fuse with TISP® protection
- Overvoltage and overcurrent protection to BELLCORE GR-1089 Issue 4
- Typical application is secondary protection on telecom line cards
- User selection of TISP4xxxH3BJ

# 4B06B-DF1-V<sub>(B01)</sub>/V<sub>(B02)</sub> - Line Protection Module

## Matched Pair of Resistors plus Thermal Fuse with TISP® Protection

### Electrical Characteristics

Resistance Values (R1 = R2).....	15 ohms
Resistance Tolerance.....	±5 %
TCR.....	100 ppm/°C
Ratio Tolerance.....	±2.5 %
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, Issue 4)

#### 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 -

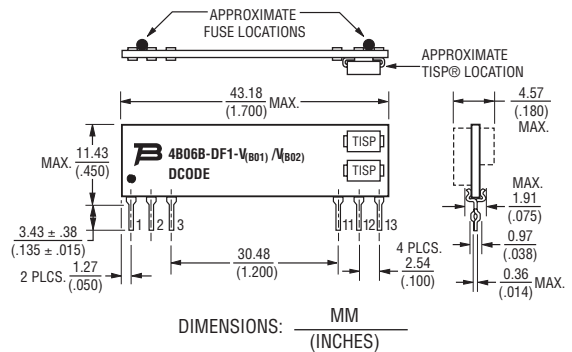
Resistor package must fail safely causing no fire, electrical, or fragmentation hazard.

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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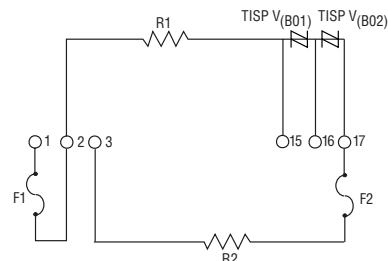
#### Second Level AC Power Fault -

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

## Product Dimensions



## Electrical Schematic



## How To Order

**4B 06 B - DF1 - xxx / xxx L**

Model \_\_\_\_\_  
 (4B = Open Frame)

Number of Pins \_\_\_\_\_

Physical Configuration \_\_\_\_\_

Electrical Configuration \_\_\_\_\_

Voltage Breakover - V<sub>(BO)</sub>

- V<sub>(B01)</sub> \_\_\_\_\_
- V<sub>(B02)</sub> \_\_\_\_\_

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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