



## Features

- RoHS compliant\* versions available
- Overvoltage/lightning protection to ITU-T K.20/K.21/K.45
- Resettable overcurrent protection
- Typical application is secondary protection on telecom line cards

# 4B06B-504-RC - Surge Line Protection Module

## Electrical Characteristics

Resistance Value, 50 Ohm	
R1=R2=42 ohms .....	±1 %
Ratio Tolerance R1/R2 .....	±1 %
Resistance Value, 100 Ohm	
R1=R2=92 ohms .....	±1 %
Ratio Tolerance R1/R2 .....	±1 %
PPTC, R3 & R4, 8 Ohms Nominal Value	
Resistance Range .....	.5 ohms to 15 ohms
Ratio Tolerance R3/R4 .....	Matched to within 1.0 ohms
Trip Time at 1 Amp .....	2 seconds at 25 °C
Hold Current .....	130 ma
Temperature Range .....	-40 °C to +85 °C

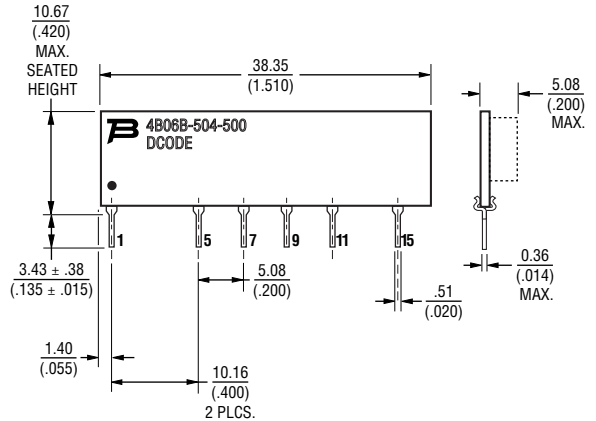
## Physical Characteristics

Body Style .....	Open Frame SIP
Substrate Material .....	.96 % Alumina
Lead Frame Material .....	Copper, solder coated
Flammability .....	Conforms to UL94V-0

## Functional Characteristics

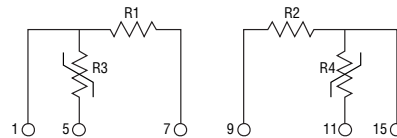
Lightning Surge Test .....	10 x 700 µs, 1.5 kV
Power Induction .....	300 V rms
Power Contact .....	220 V rms

## Product Dimensions



DIMENSIONS:  $\frac{\text{MILLIMETERS}}{\text{(INCHES)}}$

## Electrical Schematic



## How To Order

	<b>4B 06 B - 504 - XXX LF</b>
Model _____	(4B = Open Frame)
Number of Pins _____	
Physical Configuration _____	
Electrical Configuration _____	504 = Matched pair of resistors plus PPTC
Resistance Code _____	• 500 = 50 ohms • 101 = 100 ohms
RoHS Compliant Option _____	Blank = Standard Product LF = RoHS Compliant Product



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**WARNING Cancer and Reproductive Harm**  
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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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