



## Features

- Lead free versions available (RoHS compliant\*)
- 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

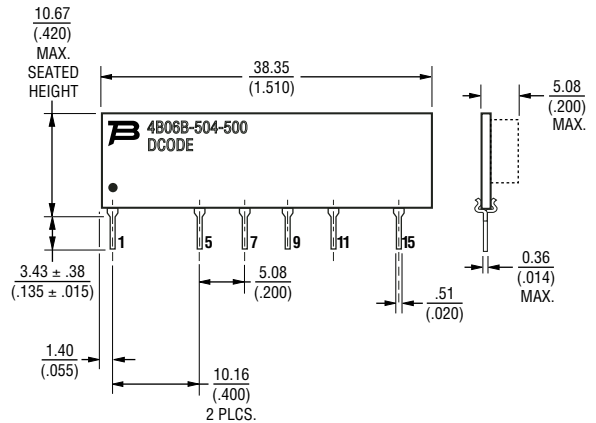
### Physical Characteristics

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

### Functional Characteristics

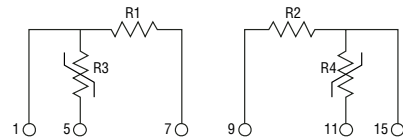
Lightning Surge Test	10 x 700 μs, 1.5 kV
Power Induction	300 V rms
Power Contact	220 V rms

### 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	_____
Lead Free Option	_____
Blank = Standard Product	_____
LF = Lead Free / RoHS Compliant Product Ω	_____



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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.