

## 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-514-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 .....	135 ma
Temperature Range .....	-40 °C to +85 °C

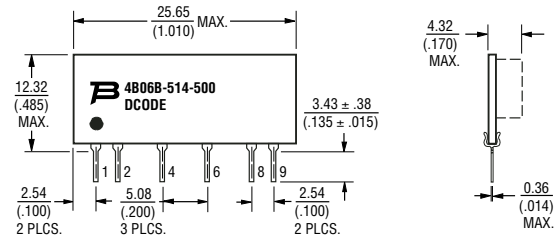
## Physical Characteristics

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

## Functional Characteristics

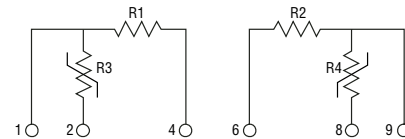
Lightning Surge Test .....	10 x 700 µs, 1.5 kV
Power Induction .....	600 V rms
Power Contact .....	230 V rms

## Product Dimensions



DIMENSIONS: MILLIMETERS  
(INCHES)

## Electrical Schematic



## How To Order

Model	4B 06 B - 514 - XXX LF
(4B = Open Frame)	
Number of Pins	
Physical Configuration	
Electrical Configuration	514 = Matched pair of resistors plus PPTC
Resistance Code	
• 500 = 50 Ω	
• 101 = 100 Ω	
Lead Free Option	
Blank = Standard Product	
LF = Lead Free / RoHS Compliant Product	



## Circuit Protection Division

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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.