

Features

- 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 |

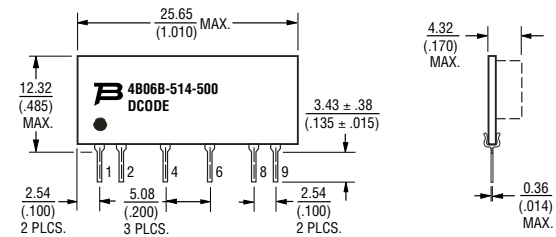
Physical Characteristics

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

Functional Characteristics

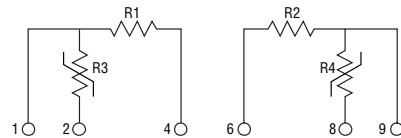
| | |
|----------------------------|---------------------|
| Lightning Surge Test | 10 x 700 μs, 1.5 kV |
| Power Induction | 600 V rms |
| Power Contact | 230 V rms |

Product Dimensions



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

Electrical Schematic



How To Order

| | |
|---|----------------------------|
| Model | 4B 06 B - 514 - XXX |
| (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 | |



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