

Features

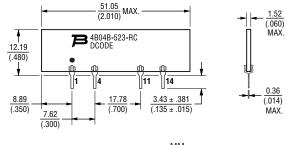
- RoHS compliant* versions available
- Matched pair of resistors
- Power line fault/lightning protection to BELLCORE GR-1089
- Typical application is secondary protection on telecom line cards
- Bourns TISP[®] products are recommended for the overvoltage section of the protection circuit

4B04B-523-RC - Line Protection Module

Matched Pair of Resistors

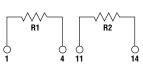
Electrical Characteristics
Resistance Values (R1 = R2)15 ohms- 60 ohms Resistance Tolerance
$>34\Omega$
TCR100 ppm/°C Ratio Tolerance
>34Ω±0.5 % <34Ω±2 %
Temperature Range40 °C to +85 °C
Physical Characteristics
Body StyleOpen Frame SIP Substrate Material
Functional Characteristics (per Bellcore GR-1089)
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, Number of Pulses25 each resistor each polarity 25 simultaneous each polarity
2500 Volts Peak, 500 Amp Peak Current, Max. Rise/Min. Decay Time 2x10 μs,

Product Dimensions

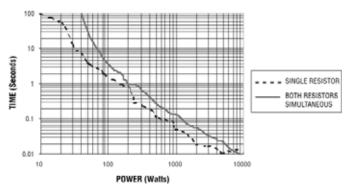




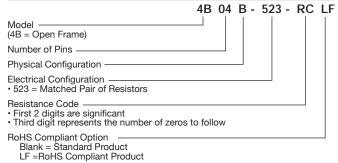
Electrical Schematic



Break Open Time



How To Order



*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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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
100 Vrms, .17 Amp Short Circuit Current, Duration	15 minutes
600 Vrms, 1.0 Amp Short Circuit Current, Duration	60 One-second pulses

Second Level Lightning Surge -Resistor package must fail safely causing no fire, electrical, or framentation hazard.

5000 Volts Peak, 500 Amp Peak Current, Max. Rise/Min. Decay Time 2x10 µs, Number of Pulses1 simultaneous each polarity

Second Level AC Power Fault -Resistor package must fail safely causing no fire, electrical, or framentation hazard.

Standard Resistance Values

Resistance (ohms)	Resistance Code
20	200
40	400
50	500



WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

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