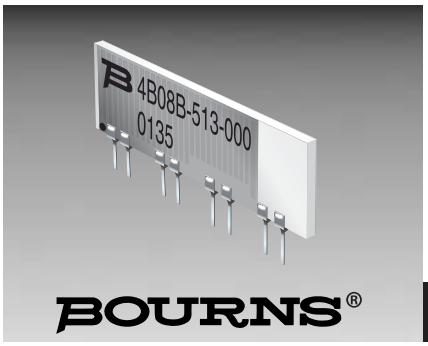


BOURNS®

Features

- Overvoltage/lightning protection to ITU-T K.20
- Standard “off-the-shelf” design
- Typical application is secondary protection on telecom line cards

4B08B-513-RC - Surge Line Protection Module

Electrical Characteristics

Resistance Values (R1 = R2).....50 & 100 Ω
Resistance Tolerance .....±2 %
TCR.....100 ppm/°C
Ratio Tolerance.....±0.3 %
Power Dissipation (per resistor) @ 25 °C .....2 W
Temperature Range.....-55 ºC to +125 ºC

Environmental Characteristics

Tests per MIL-STD-202.....Δ R max.
Resistance to Solvents.....No marking deterioration
Resistance to Solder Heat.....± 0.5 Ω
Solderability.....>95 % Coverage
Insulation Resistance .....10 MΩ min. (isolated pins)
Bias Humidity Test.....50 V / 85 % RH / 85 °C

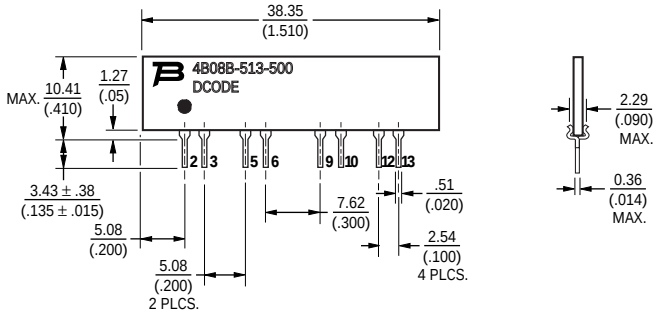
Physical Characteristics

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

Functional Characteristics

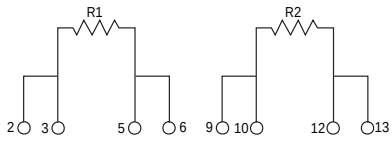
Lightning Surge Test.....10 x 700 µSec, 1 KV
Power Induction .....300 V rms
Power Contact .....220 V rms

Product Dimensions



DIMENSIONS: MILLIMETERS / (INCHES)

Electrical Schematic



How To Order

4B 08 B - 513 - XXX

Model
(4B = Open Frame)

Number of Pins

Physical Configuration

Electrical Configuration
513 = Matched pair of resistors plus thermal fuse

Resistance Code
- 500 = 50 Ω
- 101 = 100 Ω

BOURNS®

Reliable Electronic Solutions

Asia-Pacific: TEL +886-2 25624117 • FAX +886-2 25624116
Europe: TEL +41-41 7685555 • FAX +41-41 7685510
North America: TEL +1-909 781-5500 • FAX +1-909 781-5700
www.bourns.com

05/03

Specifications are subject to change without notice.

COPYRIGHT© 2003, BOURNS, INC. LITHO IN U.S.A. 05/03 e/L0301