



Features

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

4A12P-506-500 - Surge Line Protection Module

Matched Pair of Resistors plus Thermal Fuse

Electrical Characteristics

Resistance Values (R1 = R2).....	50 Ω
Resistance Tolerance.....	±1 %
TCR.....	100 ppm/°C
Ratio Tolerance.....	±0.5 %
Power Dissipation (per resistor) @ 25 %.....	2 W
Temperature Range.....	-40 °C to +85 °C

Physical Characteristics

Body Style	Dual in line SMD - twin pack
Substrate Material	96 % Alumina
Lead Frame Material	Copper, solder coated
Flammability	Conforms to UL94V-0
Processability.....	Unit is only suitable for no-clean processing
Convection Reflow.....	Unit will withstand 260 °, 20 seconds
Packaging	16 “ diameter reels, 44mm tape, 250 pcs./reel

Functional Characteristics

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

How To Order

4A 12 P - 506 - 500 LF

Model _____	4A = Surface Mount
Number of Pins _____	12
Physical Configuration _____	P
Electrical Configuration _____	506 = Matched Pair of Resistors plus Thermal Fuse
Resistance Code _____	500 = 50 Ω
RoHS Compliant Option _____	LF = RoHS Compliant Product

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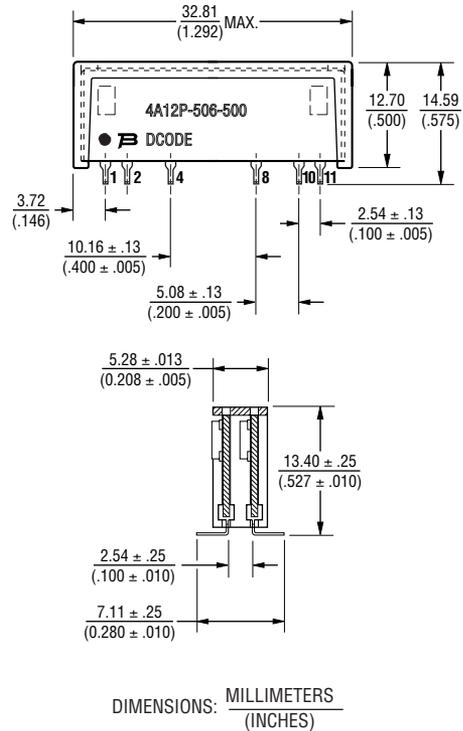
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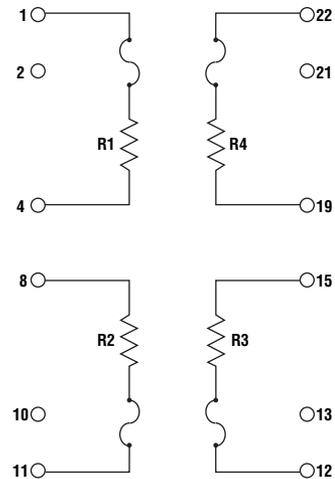
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Product Dimensions



Electrical Schematic



*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.