



Features

- Lead free versions available (RoHS compliant*)
- 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

Model	4A	12	P	-	506	-	500	LF
(4A = Surface Mount)								
Number of Pins								
Physical Configuration								
Electrical Configuration								
506 = Matched Pair of Resistors plus Thermal Fuse								
Resistance Code								
• 500 = 50 Ω								
Lead Free Option								
Blank = Standard Product								
LF = Lead Free / RoHS Compliant Product								



Reliable Electronic Solutions

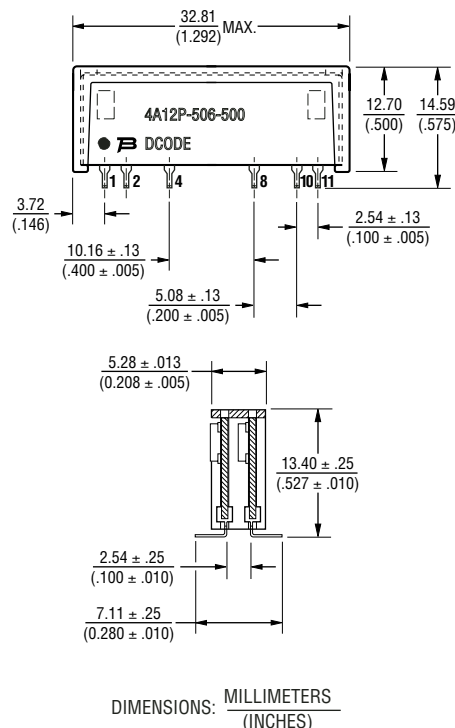
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Product Dimensions



Electrical Schematic

