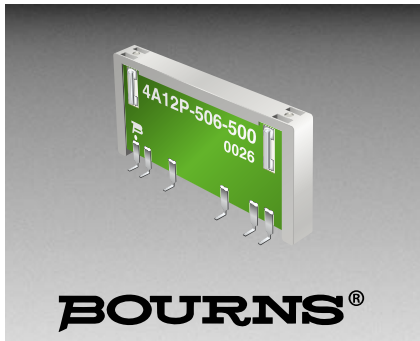




Features

- 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.....	$\pm 1\%$
TCR.....	100 ppm/ $^{\circ}\text{C}$
Ratio Tolerance.....	$\pm 0.5\%$
Power Dissipation (per resistor) @ 25 $^{\circ}\text{C}$	2 W
Temperature Range.....	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$

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 $^{\circ}$, 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
(4A = Surface Mount)	
Number of Pins	
Physical Configuration	
Electrical Configuration	
506 = Matched Pair of Resistors plus Thermal Fuse	
Resistance Code	
• 500 = 50 Ω	



Reliable Electronic Solutions

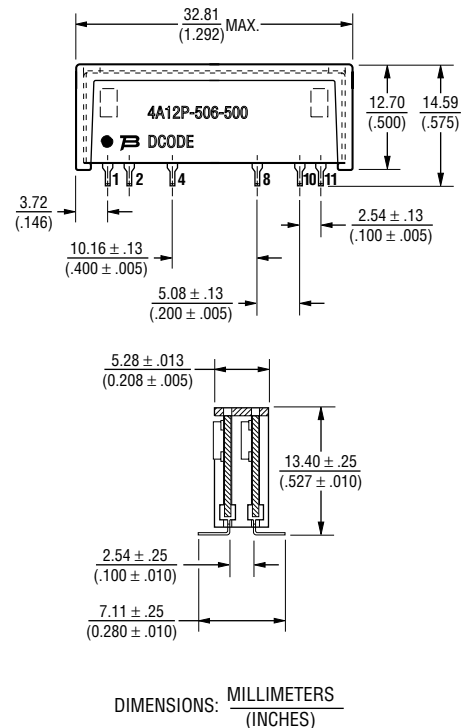
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Product Dimensions



Electrical Schematic

