VISHAY

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1401

Vishay Foil Resistors

Bulk Metal[®] Foil Technology 3 Pin Transistor Outline Hermetic Resistor Network



The three pin TO-18 package is suitable for single resistor hermetic packaging with case and lid grounded for electrical isolation. This unique package may also be used to provide a voltage divider, but the user is cautioned that the center tap must go to ground.

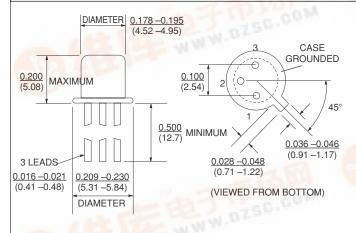
Review data sheet "7 Technical Reasons to Specify Bulk Metal[®] Foil Resistor Networks."

ORDERING INFORMATION - 1401 PARTS

Networks are built to your requirements. Send your schematic and electrical requirements to the Applications Engineering Department. (See data sheet "Network Worksheet.") A unique part number will be assigned which defines all aspects of your network.

3 pins on a 0.100" pin circle- pin 3 case grounded.

FIGURE 1 - STANDARD DIMENSIONS in inches (millimeters)



VISHAY MODEL NUMBER	CHIP CAPACITY	MAXIMUM POWER RATING (WATTS) @ +70°C
1401	V15X5 - 1 chip	0.15 Watt
	V15X5 - 1 chip and V5X5 - 1 chip	
	V5X5 - 2 chips	

NOTES:

1. These networks utilize Vishay Bulk Metal[®] Foil resistor chips V5X5 and V15X5 or VTF15X10 Thin Film chips.

2. The V5X5 and V15X5 chips have maximum resistance values of 10K and 33K respectively in Bulk Metal[®] Foil and 500K in VTF15X5 Thin Film chips.

FIGURE 2 - SAMPLE CIRCUIT DESIGNS AND CHIP LAYOUTS NOTE: Usable area is represented by the dotted lines— a cross 0.150 Inches x 0.150 Inches with arm width of 0.05 Inches. Illustrations not to scale. Chips shown undersize for clarity. Drawing view is from the top looking down into the package. 2 3 R1 **b**1 R1 R1 R2 ≥R2 R1 2 С CASE 2 CASE **ONE RESISTOR** DIVIDER CASE GROUNDED CENTER TAP GROUNDED • FRANCE/SWITZERLAND/SOUTHERN EUROPE: foilsales.eusouth@vishay.com ISRA (joilsales.israel@vishay.com) AMERICAS: foilsales.usa@vishay.com

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