



Bulk Metal[®] Foil Technology

8 Pin Transistor Outline Hermetic Resistor Network



Product may not be to scale

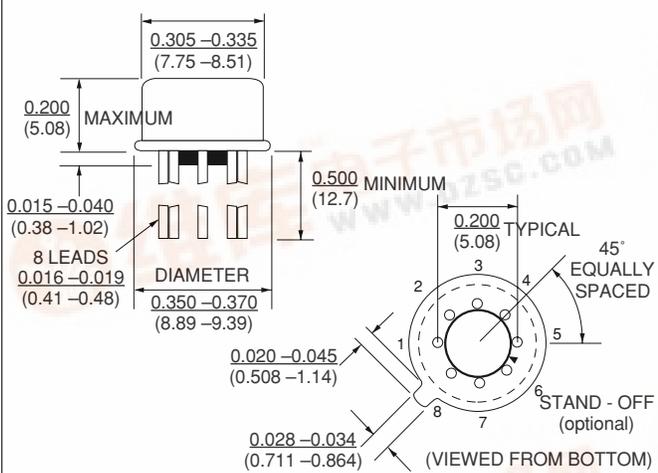
The eight pin TO-5 package with a 0.200" pin circle, is the most popular package for uncomplicated networks. This network can contain up to 9, V5X5 resistor chips.

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

ORDERING INFORMATION - 1413 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.

FIGURE 1 - STANDARD DIMENSIONS in inches (millimeters)



VISHAY MODEL NUMBER	CHIP CAPACITY	MAXIMUM POWER RATING (WATTS) @ +70°C
1413	V15X5 - 3 chips	0.4 Watt
	V5X5 - 9 chips	

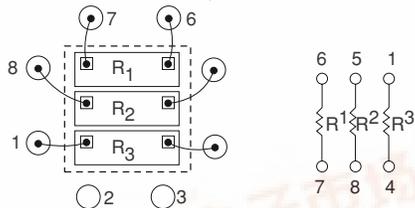
NOTE:

1. These networks utilize Vishay Bulk Metal[®] Foil resistor chips V5X5 and V15X5 or VTF15X5 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.
3. The V5X5 and V15X5 chip(s) can be intermixed in a package.

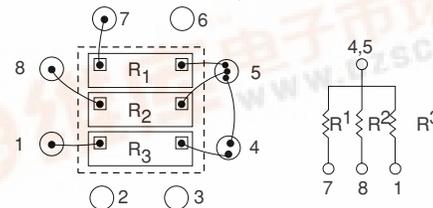
FIGURE 2 - SAMPLE CIRCUIT DESIGNS AND CHIP LAYOUTS

NOTE: Usable area is represented by the dotted lines—a square 0.150 Inches x 0.150 Inches. Illustrations not to scale. Chips shown undersize for clarity. Drawing view is from the top looking down into the package.

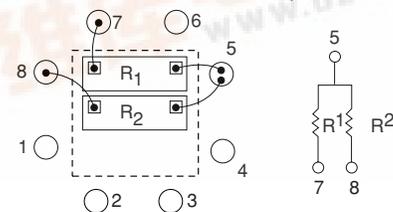
THREE RESISTORS, CASE ISOLATED



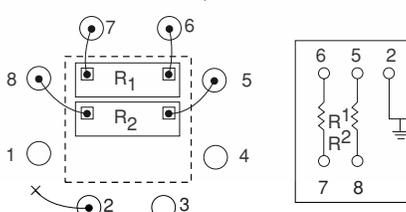
THREE RESISTOR ARRAY, CASE ISOLATED



TWO RESISTOR VOLTAGE DIVIDER, CASE ISOLATED



TWO RESISTORS, CASE GROUNDED



THROUGH HOLE



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Datasheets for electronics components.