Bulk Metal® Foil Technology
16 Pin Transistor Outline Hermetic Resistor Network

Product may not be to scale

The 16 Pin TO-8 package is suitable for ladder networks up to 12 bits and other more complicated networks. It is also a good choice when power dissipation is a consideration. This network can contain up to 49 V5X5 resistor chips.

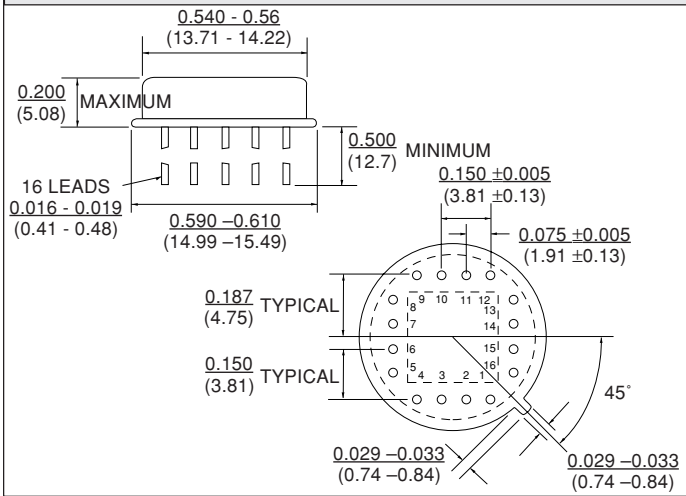
Review data sheet "7 Technical Reasons to Specify Bulk Metal® Foil Resistor Networks."

ORDERING INFORMATION - 1422 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.

THROUGH HOLE

FIGURE 1 - STANDARD DIMENSIONS in inches (millimeters)



VISHAY MODEL NUMBER	CHIP CAPACITY	MAXIMUM POWER RATING (WATTS) @ +70°C
1422	V15X5 - 16 chips	0.6 Watt
	V5X5 - 49 chips	

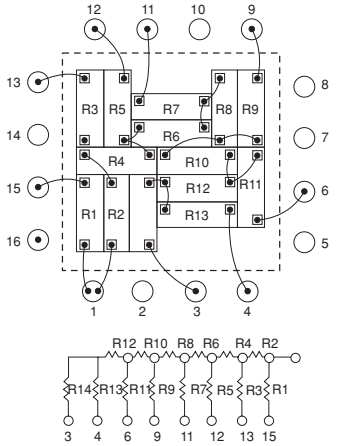
NOTE:

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.

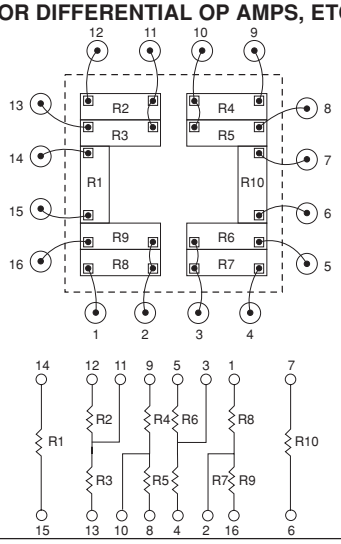
FIGURE 2 - SAMPLE CIRCUIT DESIGNS AND CHIP LAYOUTS

NOTE: Usable area is represented by dotted lines— a square 0.350 Inches x 0.350 Inches. Illustrations not to scale. Chips shown undersize for clarity. Drawing view is from the top looking down into the package.

7 BIT R/2R LADDER
R1, R3, R5, R7, R9, R11, R13, R14 = 2R
R2, R4, R6, R8, R10, R12 = R



4 DIVIDERS PLUS APPLICATION RESISTORS FOR DIFFERENTIAL OP AMPS, ETC.



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