

# Bulk Metal<sup>®</sup> Foil Technology

## 12 Pin Transistor Outline Hermetic Resistor Network



Product may not be to scale

The 12 pin TO-8 package is suitable for ladder networks up to ten 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.

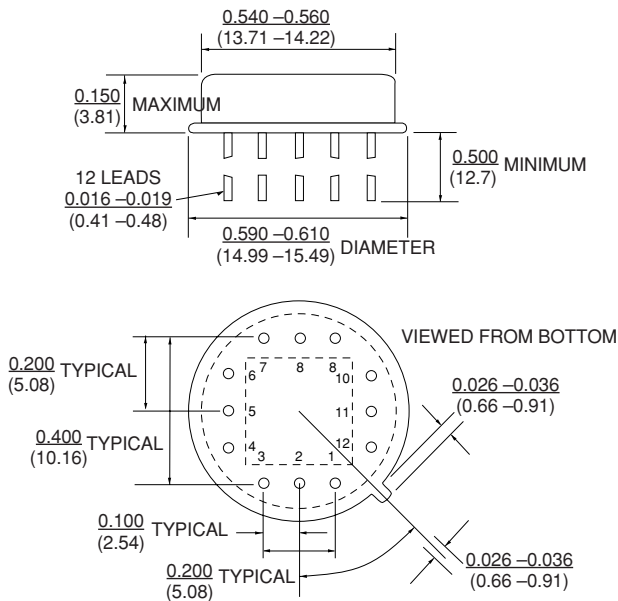
Review data sheet "7 Technical Reasons to Specify Bulk Metal<sup>®</sup> Foil Resistor Networks."

### ORDERING INFORMATION - 1421 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)

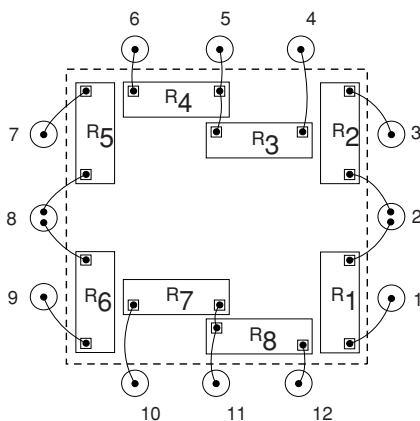


VISHAY MODEL NUMBER	CHIP CAPACITY	MAXIMUM POWER RATING (WATTS) @ +70°C
1421	V5X5 - 49 chips	0.6 Watt

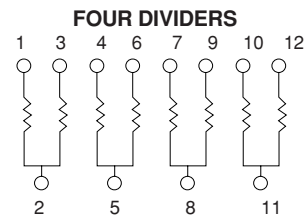
**NOTES:**

1. These networks utilize Vishay Bulk Metal<sup>®</sup> 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<sup>®</sup> Foil and 500K in VTF15X5 Thin Film chips.

**FIGURE 2 - SAMPLE CIRCUIT DESIGN AND CHIP LAYOUT**



**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.



**SALES**

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