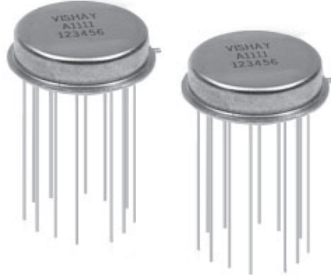


Bulk Metal® Foil Technology 12 Pin Transistor Outline Hermetic Resistor Network



Product may not be to scale

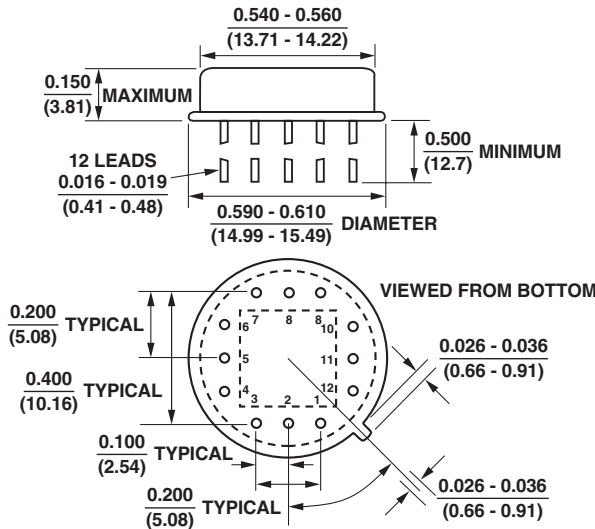
The 12 pin TO-8 package is suitable for ladder networks up to ten bits and other more complicated networks. It is also a good choice when power dissipation is a consideration. This network can contain up to 49, V5X5 resistor chips.

Review data sheet “7 Technical Reasons to Specify Bulk Metal® 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.

FIGURE 1 - STANDARD DIMENSIONS in inches (millimeters)



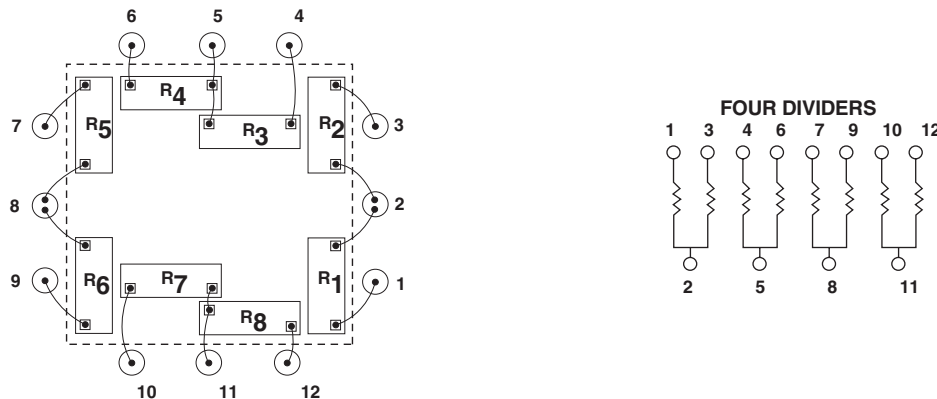
| VISHAY MODEL NUMBER | CHIP CAPACITY | MAXIMUM POWER RATING (WATTS) AT + 70 °C |
|---------------------|-----------------|---|
| 1421 | V5X5 - 49 chips | 0.6 Watt |

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 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.





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