VISHAY

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1419

Vishay Foil Resistors

# Bulk Metal<sup>®</sup> Foil Technology 10 Pin Transistor Outline Hermetic Resistor Network

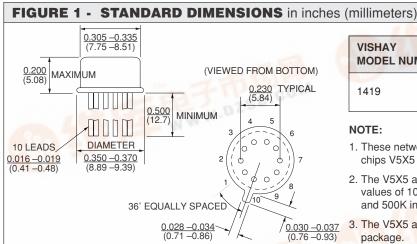


The ten pin TO-5 package, with a 0.230" pin circle is the most accommodating of the TO-5 series of networks. It has the largest R capacity of the smaller TO series. This network can contain up to 12 V5X5 resistor chips.

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

### **ORDERING INFORMATION - 1419 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.



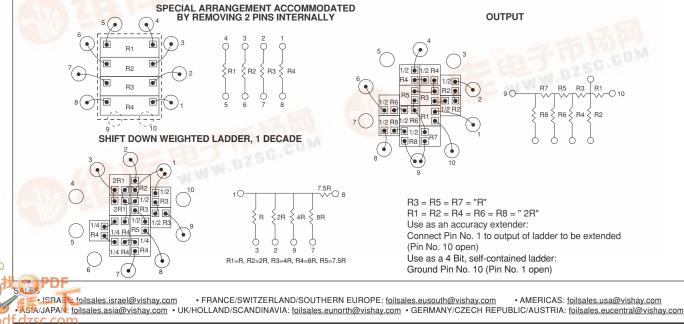
VISHAY MODEL NUMBER	CHIP CAPACITY	MAXIMUM POWER RATING (WATTS) @ +70°C
1419	V15X5 - 3 chips	0.4 Watt
1413	V5X5 - 12 chips	

#### NOTE:

- 1. These networks utilize Vishay Bulk Metal<sup>®</sup> 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 rectangle 0.150 Inches x 0.200 Inches. Illustrations not to scale. Chips shown undersize for clarity. Drawing view is from the top looking down into the package.



THROUGH HOLE



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