

Bulk Metal[®] Foil Technology 10 Pin Transistor Outline Hermetic Resistor Network



Product may not be to scale

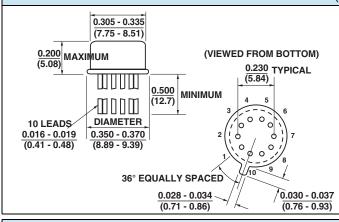
The ten pin TO-5 package, with a 0.230" pin circle is the most accommodating of the TO-5 series of networks. It has the largest R capacity of the smaller TO series. This network can contain up to 12 V5X5 resistor chips.

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

FIGURE 1 - STANDARD DIMENSIONS in inches (millimeters)



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

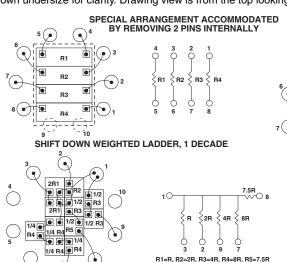
NOTES:

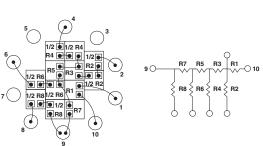
- 1. These networks utilize Vishay Bulk Metal® Foil resistor chips V5X5 and V15X5 or VTF15X5 Thin Film chips.
- 2. The V5X5 and V15X5 chips have maximum resistance values of 10K and 33K respectively in Bulk Metal $^{\! (\! g \!)}$ Foil and 500K in VTF15X5 Thin Film chips.
- 3. The V5X5 and V15X5 chip(s) 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.





OUTPUT

R3 = R5 = R7 = "R"
R1 = R2 = R4 = R6 = R8 = "2R"
Use as an accuracy extender:
Connect Pin No. 1 to output of ladder to be extended (Pin No. 10 open)
Use as a 4 Bit, self-contained ladder:
Ground Pin No. 10 (Pin No. 1 open)

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Vishay Precision Group

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