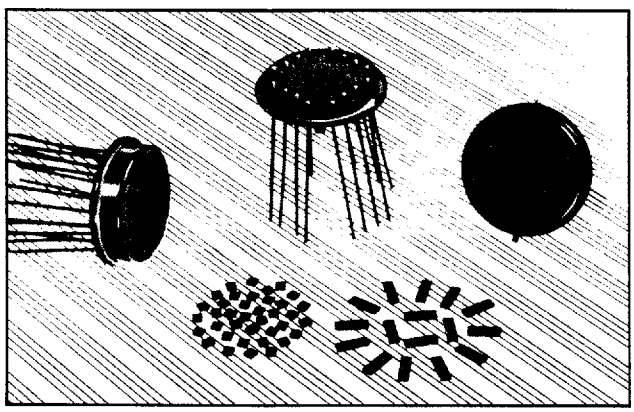
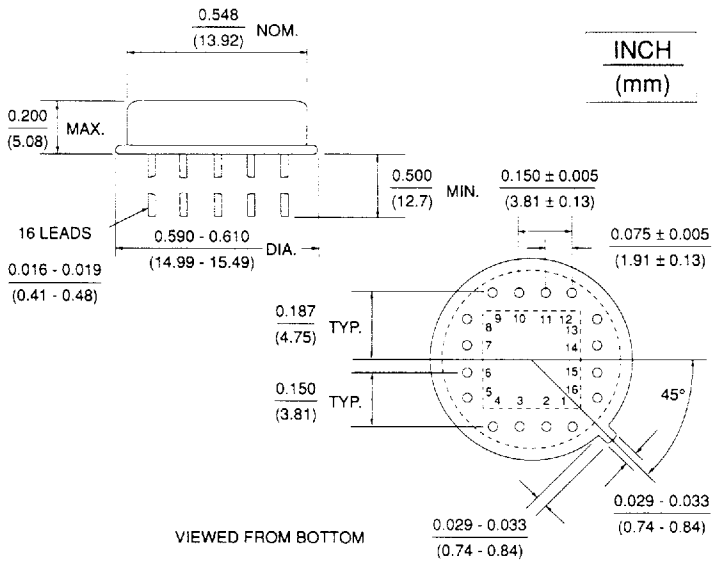
VISHAY Model 1422

16 Pin TO-8 Package



16 pins on a 0.400" pin square—can contain up to 49 V5X5 resistor chips.

Standard Dimensions

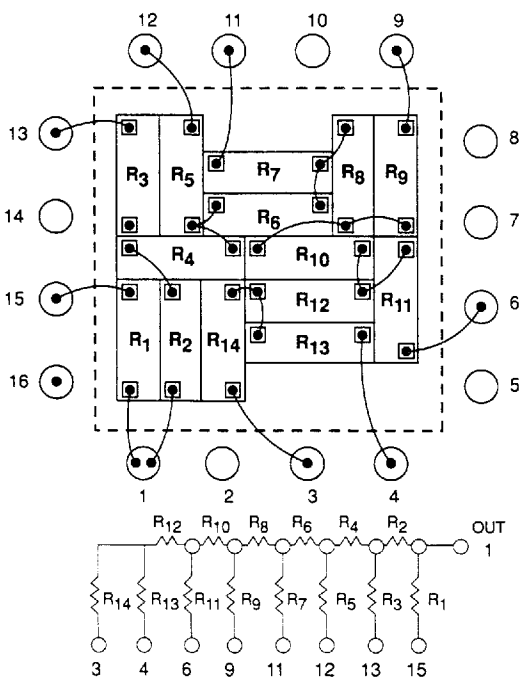


The 16 pin TO-8 package is suitable for ladder networks up to 12 bits and other more complicated networks. It is also a good choice when power dissipation is a consideration in simple networks. It can accommodate up to 49 V5X5 (50 x 50 mils) chips or up to 16 V15X5 (150 x 50 mils) chips. Select Model 1457 for added chip area or additional pins.

Power rating: 0.60W @70°C (total package)
0.05W max. (each V5X5 chip)
0.10W max. (each V15X5 chip)

SAMPLE CIRCUIT DESIGNS and CHIP LAYOUTS

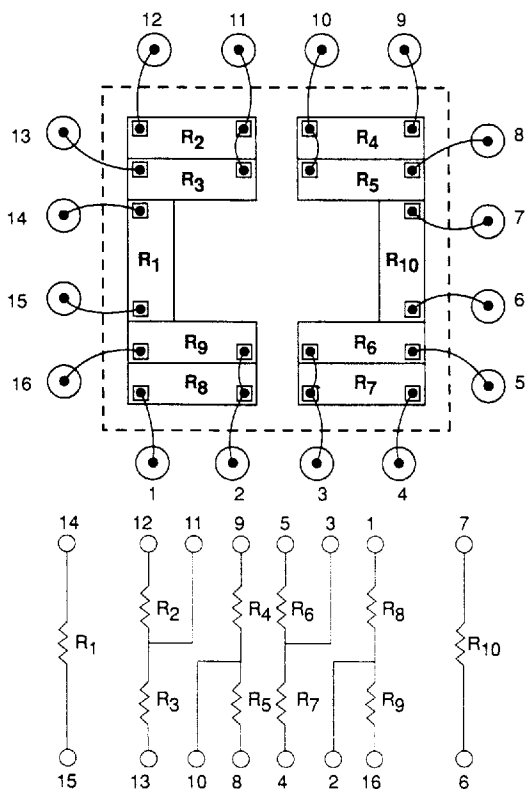
■ Usable area is represented by the dotted lines. *A square of 0.350" x 0.350" — illustrations not to scale. Chips shown undersize for clarity.*



7 BIT R/2R LADDER

$R_1, R_3, R_5, R_7, R_9, R_{11}, R_{13}, R_{14}, = 2R$
$R_2, R_4, R_6, R_8, R_{10}, R_{12}, = R$

■ Drawing view: from top looking down into package.



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