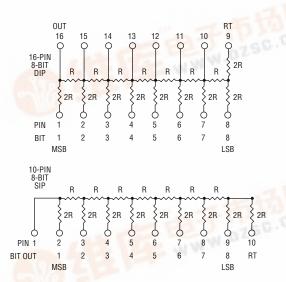
R/2R Ladder Networks

BOURNS

R/2R Ladder Networks are available in both DIP and SIP (Molded or Conformal) configurations.



The R/2R Ladder Network is commonly used for Digital to Analog (D/A) conversions and Analog to Digital (A/D) conversion by successive approximations. The bits of the ladder are the points at which input signals are presented to the ladder and the output terminal (OUT) is the point at which the output is

ecifications are subject to change without notice.

taken from the R/2R ladder. This terminal (OUT) is commonly used to drive an operational amplifier. R_T (the terminating resistor) is always connected to ground.

Standard R/2R Ladder Networks have a resistance tolerance of $\pm 2.0\%$ ($\pm 1.0\%$ available on all but low profile SIPs).

Standard R/2R Ladder Networks

Availability is as follows:

DIP/SMD	SIP-CONFORMAL	SIP MOLDED
14 Pin - 7 Bit 16 Pin - 8 Bit	6 Pin - 4 Bit 7 Pin - 5 Bit 8 Pin - 6 Bit 9 Pin - 7 Bit 10 Pin - 8 Bit 11 Pin - 9 Bit 12 Pin -10 Bit 14 Pin -12 Bit	6 Pin - 4 Bit 8 Pin - 6 Bit 10 Pin - 8 Bit

Resistor Power Ratings @ 70° C	
Low Profile SIP & DIP	.125W
Medium Profile SIP	.170W

How To Order R/2R Ladder Networks 41 16 R - R2R - 503 Model Resistance/Capacitance Code (41 = Molded DIP)(For value of R). 2R is double this value. (43 = Molded SIP) First 2 digits are significant. (44 = Wide Body SMD) Third digit represents the number (46 = Conformal SIP) of zeros to follow. (48 = SMD)Number of Pins Physical Configuration **Electrical Configuration** (R = Low Profile - Molded) (X = Low Profile - Conformal) • R2R = R/2R Ladder Network (M = Medium Profile) (H = High Profile) (P = Medium Body SOIC)