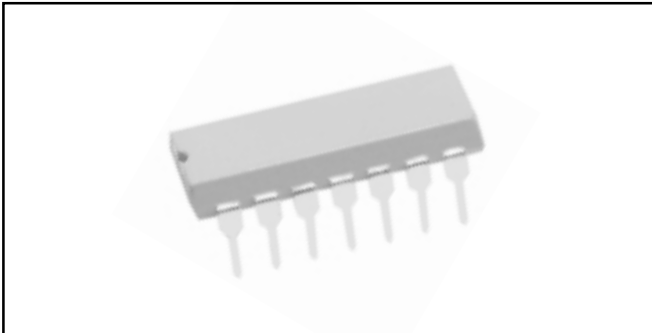




## Dual-In-Line, 10 Bit R/2R Ladder Networks



### APPLICATIONS

10 Bit, R/2R Ladder networks for D/A and A/D converter with bi-polar or CMOS switches

### ELECTRICAL SPECIFICATIONS

**Ladder Network Accuracy:**  $\pm 1$  LSB from 0°C to +70°C.

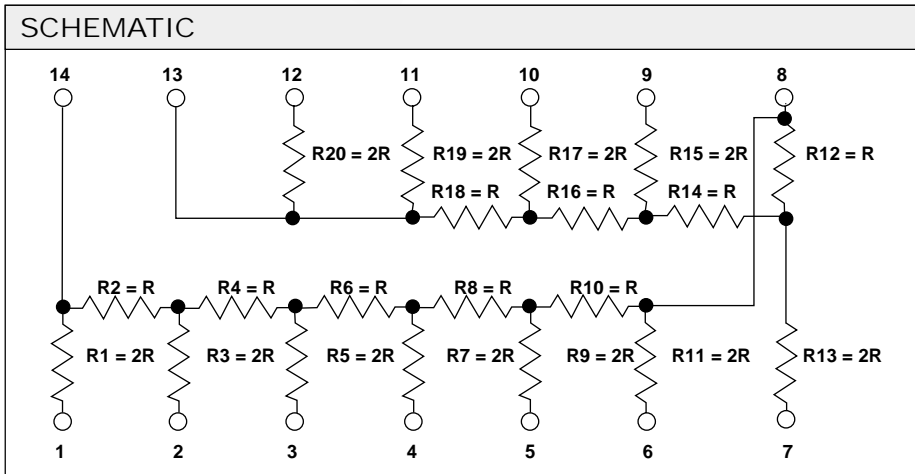
**Ladder Network Resistance Tolerance:**  $\pm 2\%$ .

**Temperature Coefficient of Resistance:**  $\pm 100$ PPM/°C.

**Operating Temperature Range:** 0°C to +70°C.

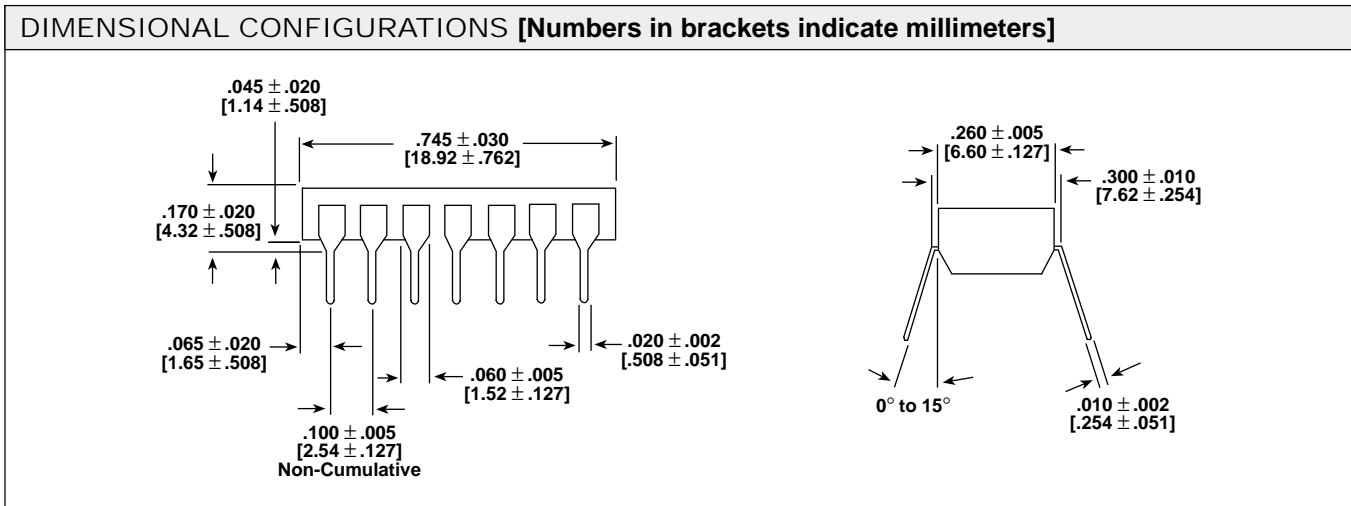
**Power Dissipation Rating at +70°C Ambient:** 50mW for individual resistor and 1.6 watts total package rating.

**Standard Resistance Values (R):** 25 kilohms, 50 kilohms, 100 kilohms.



### RATIO MATCH TOLERANCE

- R1/R2 =  $2 \pm 1\%$ .
- R1/R3 =  $1 \pm 1\%$ .
- R1/R4 =  $2 \pm 1\%$ .
- R1/R5 =  $1 \pm 1\%$ .
- R1/R6 =  $2 \pm 1\%$ .
- R1/R7 =  $1 \pm 1\%$ .
- R1/R8 =  $2 \pm 1\%$ .
- R9/R10 =  $2 \pm 0.5\%$ .
- R11/R12 =  $2 \pm 0.4\%$ .
- R13/R14 =  $2 \pm 0.2\%$ .
- R15/R16 =  $2 \pm 0.2\%$ .
- R19/R17 =  $1 \pm 0.1\%$ .
- R19/R18 =  $2 \pm 0.1\%$ .



HOW TO ORDER

**T14L10**  
MODEL

**104**  
RESISTANCE VALUE (Ohms)

First two digits are significant, third digit signifies number of zeros to follow.

**EXAMPLE:**  
104 = R = 100 kilohms.  
**REFERENCE:**  
2R = 200 kilohms.

This datasheet has been download from:

[www.datasheetcatalog.com](http://www.datasheetcatalog.com)

Datasheets for electronics components.