

## Features

- Resistance range: 100 ohms to 1 megohm
- SIP and DIP packages
- Surface mount and through-hole available
- RoHS compliant\* (see How to Order "Termination" option)

For information on R/2R Thick Film Networks, download Bourns' R/2R Application Note.

# R/2R Series Thick Film Networks

### Product Characteristics

Resistance Range  
 Models 4100, 4300, 4400 & 4800  
 ..... 100 ohms to 100K ohms  
 Model 4600 ...100 ohms to 1 megohm  
 Standard Tolerance .....  $\pm 2\%$

See applicable model data sheet for complete list of product characteristics.

### Environmental Characteristics

See applicable model data sheet for complete list of environmental characteristics.

### Physical Characteristics

See applicable model data sheet for complete list of physical characteristics.

### How To Order

#### 4116R - R2R - 501

Model \_\_\_\_\_  
 (See "Available Models")

Electrical Configuration  
 R2R = Standard R/2R\*\*  
 121 = Reversed R/2R\*\*\*

Resistance Code (for value of R)  
 • First 2 digits are significant;  
 third digit represents the  
 number of zeros to follow.

- 2R is double the value of R in circuit.

#### Terminations

LF = Tin-coated (RoHS compliant version)  
 (Model 4416P is ONLY available in the  
 RoHS compliant version.)

Blank = Tin/Lead

(Model 4416P is not available with  
 tin/lead terminations.)

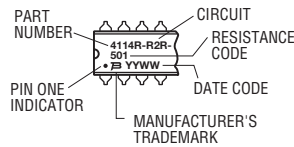
\*\*Standard R2R Electrical Configuration not  
 available for Model 4600H Series.

\*\*\*Reversed R/2R Electrical Configuration not  
 available for Model 4600H, 4600M or 4600X  
 Series.

For Standard Values Used in  
 Capacitors, Inductors, and Resistors,  
[click here](#).

### Typical Part Marking

Represents total content. Layout may vary.

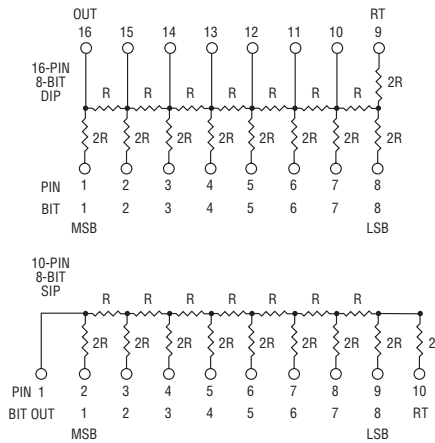


### Product Dimensions

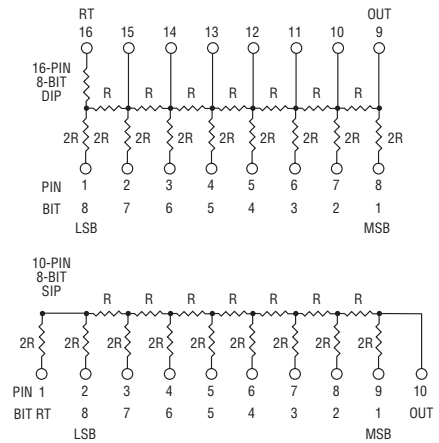
See applicable model data sheet for complete product dimensions.

### Resistor Schematic

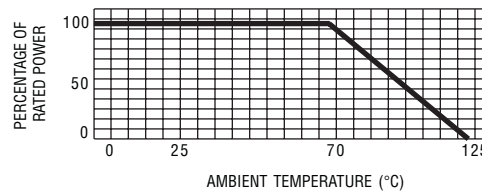
#### R2R Circuit



#### 121 Circuit



### Power Derating Curve



### Power Rating per Resistor

Model	Power per Resistor (Watts)
4100R, 4300R, 4400P, 4600X***, 4800P	0.125
4300M, 4600M***	0.170
4300H	0.200

\*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex. Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.