

## 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 ..... ± 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.)

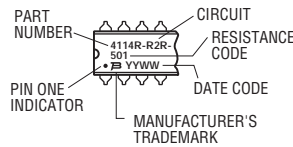
\*\*Standard R2R Electrical Configuration not available for Model 4600H Series.

\*\*\*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

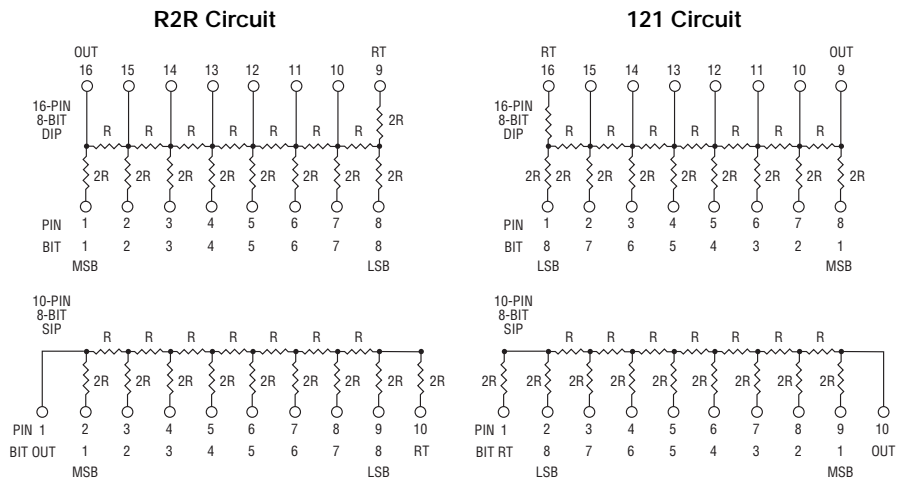
Represents total content. Layout may vary.



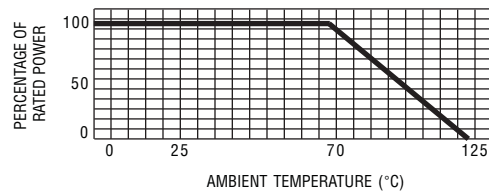
### Product Dimensions

See applicable model data sheet for complete product dimensions.

### Resistor Schematic

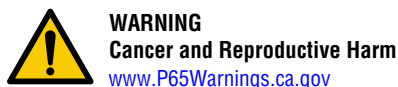


### Power Derating Curve



### 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 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at [www.bourns.com/docs/legal/disclaimer.pdf](http://www.bourns.com/docs/legal/disclaimer.pdf).

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