



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



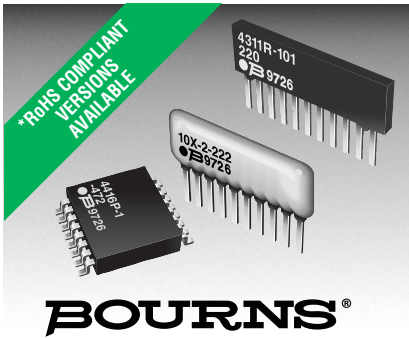
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## 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.)

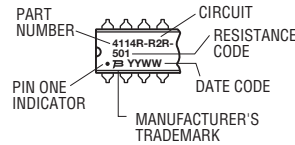
\*\*Standard R2R Electrical Configuration not  
 available for Model 4600H Series.

\*\*\*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.

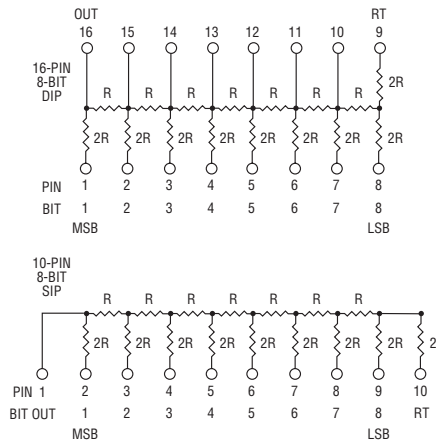


### Product Dimensions

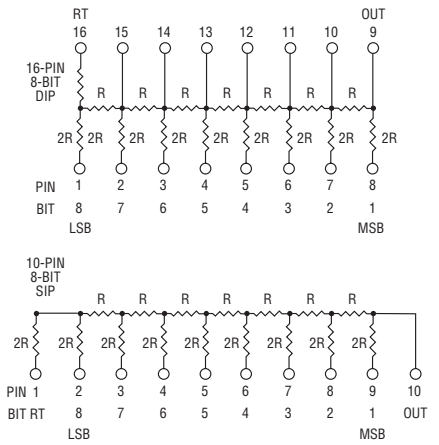
See applicable model data sheet for complete product dimensions.

### Resistor Schematic

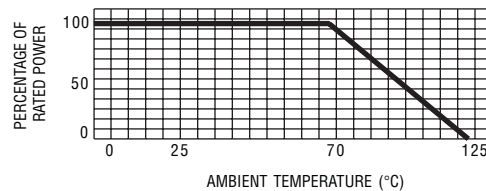
#### R2R Circuit



#### 121 Circuit



### Power Derating Curve



### Power Rating per Resistor

#### Model

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

#### Power per Resistor (Watts)

\*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.