



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



# Metal thin film chip resistors (precision)

## RR series

### Features

- Precision chip resistors excellent in resistance tolerance, TCR, frequency performance, noise characteristics, and linearity.

### Applications

- Consumer electronics that requires precision resistors
- All purpose resistors in any area of electronics



Thin film surface mount resistors

RR series

### ◆ Part numbering system

**RR 0816 P - 102 - D - (M) - (\*\*\*)**

Series code

Size: RR0306, RR0510,  
RR0816, RR1220,

Temperature coefficient of resistance

Nominal Resistance RR0306, RR0510, RR0816, RR1220 E-24: 3 digit,  
RR0306, RR0510, RR0816, RR1220 E-96: 4 digit,

only given to 3 digit coders  
for RR0816 E-96 series

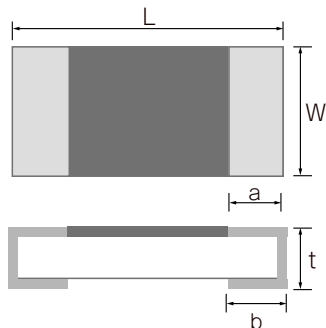
Letter M is added for RR1220 E-96 series 4digit codes

Resistance tolerance

### ◆ Electrical Specification

Type	Power ratings	Temperature coefficient of resistance (ppm/°C)	Resistance range(Ω) Resistance tolerance			Maximum voltage	Resistance value series	Operating temperature	Packaging quantity
			±0.1% (B)	±0.5% (D)	±1% (F)				
RR0306	1/20W	±25(P)	33≤R≤22k			15V	E-24	-55°C ~ 125°C	5,000pcs
		±100(R)	—	—	10≤R≤30				
RR0510	1/16W	±25(P)	—	100≤R≤100k	—	25V	E-24, E-96	-55°C ~ 125°C	10,000pcs
		±100(R)	—	10≤R<100	—				
RR0816	1/16W	±25(P)	—	100≤R≤360k	—	75V	E-24, E-96	-55°C ~ 125°C	5,000pcs
		±50(Q)	—	10≤R<100	—				
RR1220	1/10W	±25(P)	—	100≤R≤1M	—	100V	E-24, E-96	-55°C ~ 125°C	5,000pcs
		±50(Q)	—	10≤R<100	—				

### ◆ Dimensions



Type	Size (inch)	L	W	a	b	t
RR0306	0201	0.60±0.05	0.30±0.05	0.12±0.05	0.12±0.05	0.23±0.03
RR0510	0402	1.00±0.05	0.50±0.05	0.20±0.10	0.25±0.05	0.35±0.05
RR0816	0603	1.60±0.20	0.80±0.20	0.30±0.20	0.30±0.20	0.40±0.10
RR1220	0805	2.00±0.20	1.25±0.20	0.40±0.20	0.40±0.20	0.40±0.10

(unit : mm)