



# Metal thin film chip resistors (precision)

## ■ RR series

### Features

- Excellent characteristics in resistance tolerance, temperature coefficient of resistance, current noise, and linearity



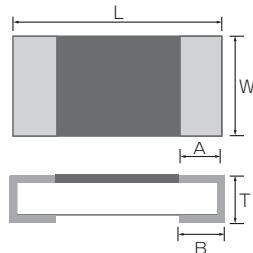
### Applications

- Any electronics applications that require accuracy and reliability such as automotive electronics, industrial test and measurement, consumer electronics and many others.

### Specifications

\* Stocked items: E-24 series (TCR P and Q, resistance tolerance D), other E-24 and E-96 series are made to order.

#### Dimensions



Dimension (inch)	RR0306 (0201)	RR0510 (0402)	RR0816 (0603)	RR1220 (0805)	RR1632 (1206)	RR2632 (1210)	unit : mm
L	0.60±0.05	1.00±0.05	1.60±0.20	2.00±0.20	3.20±0.20	3.20±0.20	
W	0.30±0.05	0.50±0.05	0.80±0.20	1.25±0.20	1.60±0.20	2.60±0.20	
A	0.12±0.05	0.20±0.10	0.30±0.20	0.40±0.20	0.50±0.20	0.50±0.20	
B	0.12±0.05	0.25±0.05	0.30±0.20	0.40±0.20	0.45±0.20	0.45±0.20	
T	0.23±0.03	0.35±0.05	0.40±0.10	0.40±0.10	0.40±0.10	0.40±0.10	

#### Electrical characteristics

Series name		RR0306	RR0510	RR0816	RR1220	RR1632	RR2632								
power		1/20W	1/16W	1/16W	1/10W	1/8W	1/4W								
E series offered		E-24			E-24, E-96										
Resistance range (Ω)		10~30	33~22k	10~91	100~100k	10~91	100~360k	10~91	100~1M	10~47	51~1M	100~200k	10~47	51~1M	100~200k
Resistance tolerance (%)	±0.1% (B)	—	—	—	—	—	—	—	—	—	—	○	—	—	○
	±0.5% (D)	—	○	○	○	○	○	○	○	○	○	—	○	○	—
	±1.0% (F)	○	—	—	—	—	—	—	—	—	—	—	—	—	—
Temperature coefficient of resistance (ppm/°C)	±5 (V)	—	—	—	—	—	—	—	—	—	—	○	—	—	○
	±10 (N)	—	—	—	—	—	—	—	—	—	—	○	—	—	○
	±25 (P)	—	○	—	○	—	○	—	○	—	○	○	—	○	○
	±50 (Q)	—	—	—	—	○	—	○	—	○	—	—	○	—	—
	±100 (R)	○	—	○	—	—	—	—	—	—	—	—	—	—	—
Maximum voltage	15V	25V	75V	100V		150V		200V							
Operating temperature					—55°C~125°C										
Packaging	5,000pcs	○	—	○	○	○	○	○	—	—	—	—	—	—	—
	10,000pcs	—	○	—	—	—	—	—	—	—	—	—	—	—	—

Contact us for the jumper resistor in RR0816 size (part number: RL0816-JMP)

### Part numbering system

**RR 0816 P - 102 - D - (M) - (T5) - (\*\*\*)** — Only given to 3 digit codes for RR0816 E-96 series

Taping quantity RR1632, RR2632

5000pcs : T5  
RR0306, RR0510, RR0816, RR1220 : no code is given

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

Resistance tolerance  
Resistance value RR0306, RR0510, RR0816, RR1220 E-24 series : 3digit  
RR0306, RR0510, RR0816, RR1220 E-96 series : 4digit  
RR1632, RR2632 : 4digit

Rated power  
Temperature coefficient of resistance  
Size  
Series code