

# RR series, high-precision metal film chip resistors



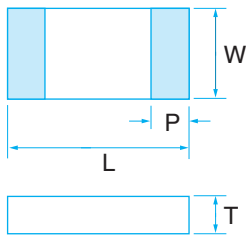
Thin Film Technology has achieved high performance chip resistors with low price and reliable supply. The parts offer excellent performance and tolerance in TCR, current noise, linearity, for high frequency circuit applications. Precise dimensions minimize errors during mounting. Tight tolerance allow for cost saving due to circuit simplification and elimination of trim pots for adjustment.

RoHS compliant

Completely lead free

## SPECIFICATIONS

### Mechanical



Dimension (Inch Size)	RR0306 (0201)	RR0510 (0402)	RR0816 (0603)	RR1220 (0805)	RR1632 (1206)	RR2632 (1210)
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
P	0.12±0.05	0.20±0.10	0.30±0.20	0.40±0.20	0.50±0.20	0.50±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

(unit : mm)

### Electrical

Type	RR0306		RR0510		RR0816		RR1220		RR1632		RR2632	
Power	1/20W		1/16W		1/16W		1/10W		1/8W		1/4W	
Tolerance %(code)	±1.0% (F)	±0.5% (D)	±0.5%(D)		±0.5%(D)		±0.5%(D)		±0.5% (D)			
Resistance Range (Ω)	10~30	33~22K	10~97.6	100~100K	10~97.6	100~360K	10~97.6	100~1M	10~49.9	51~1M	10~49.9	51~2M
TCR ppm /°C(code)	±100 (R)	±25 (P)	±100 (R)	±25 (P)	±50 (Q)	±25 (P)	±50 (Q)	±25 (P)	±50 (Q)	±25 (P)	±50 (Q)	±25 (P)
Resistance Value	E-24		E-24/E-96		E-24/E-96		E-24/E-96		E-24/E-96		E-24/E-96	
Max Operating Voltage	15V		25V		75V		100V		150V		200V	
Package	5,000pcs/reel		10,000pcs/reel		5,000pcs/reel		5,000pcs/reel		5,000pcs/reel		1,000-5,000pcs/reel	

· Contact us also for RL0816-JMP jumper resistor whose dimensions are the same as those of RR0816.

## PART NUMBER

**RR 0816 P - 102 - D - (M) - (T5) - (\*\*\*)**

\_\_\_\_\_ To be added as for E-96 series value of RR0816 as 3 letters code

Taping quantity unit

RR1632,RR2632:“T1” to be added for 1000pcs/reel

“T5” to be added for 5000pcs/reel

RR0306,RR0510,RR0816,RR1220: No marking

“M” to be added as for E-96 series value of RR1220

Resistance Tolerance

Resistance value

RR0306,RR0510,RR0816,RR1220:3 digits for E-24 series

RR0306,RR0510,RR0816,RR1220:4 digits for E-96 series

RR1632,RR2632:4 digits for all values

Temperature Coefficient of Resistance

Dimensions

Part Code