

# RR series, high-precision metal film chip resistors

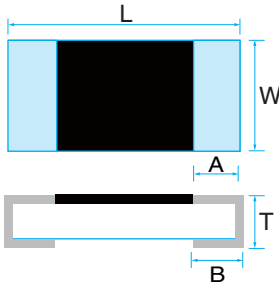


Thin Film Technology has achieved high performance chip resistors with low price and reliable supply. The parts offer excellent performance and tolerance in TCR, current noise, linearity, for high frequency circuit applications. Precise dimensions minimize errors during mounting. Tight tolerance allow 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 RN73 (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
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

(unit : mm)

### Electrical

Type	RR0306	RR0510	RR0816	RR1220	RN73	RR1632			RR2632		
Power	1/20W	1/16W	1/16W	1/10W	1/10W	1/8W			1/4W		
Tolerance %(code)	±1.0% (F) ±0.5% (D)	±0.5% (D)	±0.5% (D)	±0.5% (D)	±0.1% (B)	±0.5% (D)	±0.1% (B)		±0.5% (D)	±0.1% (B)	
Resistance Range (Ω)	10~30 33~22k	10~97.6 100k	10~97.6 100~360k	10~97.6 100~1M	511~100k 100~100k	10~49.9 51~1M	100~200k 100~200k	51~1M	10~49.9 2M	100~330k 100~330k	51~2M
TCR ppm /°C(code)	±100 (R) ±25 (P)	±100 (R) ±25 (P)	±50 (Q) ±25 (P)	±50 (Q) ±25 (P)	±5 (V) ±10 (N)	±50 (Q) ±25 (P)	±5 (V) ±10 (N)	±25 (P)	±50 (Q) ±25 (P)	±5 (V) ±10 (N)	±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	E-24/E-96		E-24/E-96	E-24/E-96	
Operating Temp. Range	-55°C ~ +125°C										
Max Operating Voltage	15V	25V	75V	100V	100V	150V	150V		200V	200V	
Package	5,000 pcs/reel	10,000 pcs/reel	5,000 pcs/reel	5,000 pcs/reel	1,000(T1)· 5,000(T5)pcs/reel	1,000(T1)· 5,000(T5)/reel	1,000(T1)· 5,000(T5)pcs/reel		1,000(T1)· 5,000(T5)/reel	1,000(T1)· 5,000(T5)pcs/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

Power Rating

Temperature Coefficient of Resistance

Dimensions

Part Code

**RN73 N 2X 1001 B (-T1)**