

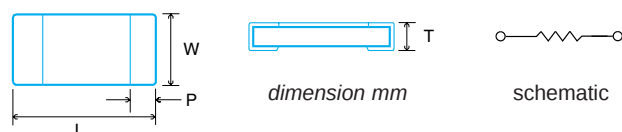
Thin Film Chip Resistors

RR Series

1.0 Description

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 tolerances allow for cost savings due to circuit simplification and elimination of trim pots for adjustment.

2.0 Mechanical

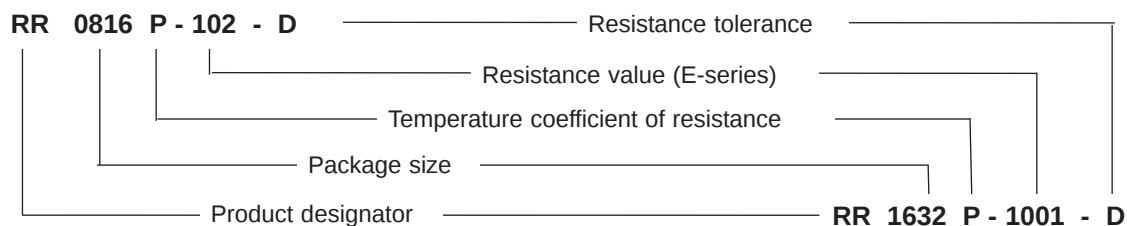


Dimension mm	RR0306 (0201)	RR0510 (0402)	RR0816 (0603)	RR1220 (0805)	RR1632 (1206)	RR2632 (1210)
L	0.60 ±0.05	1.00 ±0.05	1.60 ±0.20	2.00 ±0.20	3.20 ±0.20	3.20 ±0.20
W	0.30 ±0.05	0.50 ±0.05	0.80 ±0.20	1.25 ±0.20	1.60 ±0.20	2.60 ±0.20
P	0.12 ±0.05	0.20 ±0.10	0.30 ±0.20	0.40 ±0.20	0.50 ±0.20	0.50 ±0.20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

3.0 Electrical

Type	RR0306 (0201)		RR0510 (0402)		RR0816 (0603)		RR1220 (0805)		RR1632 (1206)		RR2632 (1210)	
Power	1/ 20 W		1/ 16 W		1/ 16 W		1/ 10 W		1/ 8 W		1/ 4 W	
Resistance Tol.. (code)	±1.0% (F)	±0.5% (D)	±0.5% (D)		±0.5% (D)		±0.5% (D)		± 0.5% (D)			
R- Value (ohm)	10-30	33-22 k	10-97.6	100-100 k	10-97.6	100-360 k	10-97.6	100-1 M	10-49.9	51-1 M	10-49.9	51-2 M
TCR (ppm/°C)	±100 (R)	±25 (P)	±100 (R)	± 25 (P)	±50 (Q)	±25 (P)	±50 (Q)	±25 (P)	±50 (Q)	±25 (P)	±50 (Q)	±25 (P)
Range	E-24		E-24/E-96		E-24/E-96		E-24/E-96		E-24/E-96		E-24/E-96	
Max Op. Volt	15 V		25 V		75 V		100 V		150 V		200 V	
Package	5,000 pcs./reel		10,000 pcs./reel		5,000 pcs./reel		5,000 pcs./reel		5,000 pcs./reel		1,000-5,000 pcs./reel	
Operating Temp	-55°C - +125°C											

4.0 Part Number



For E-24 values of RR0306, RR0510, RR0816 and RR1220 use three digits when ordering.