

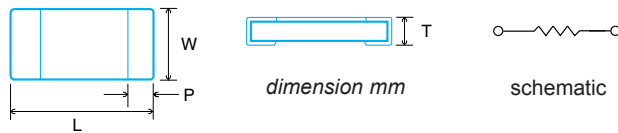
# Thin Film Chip Resistor

## 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, and are intended 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

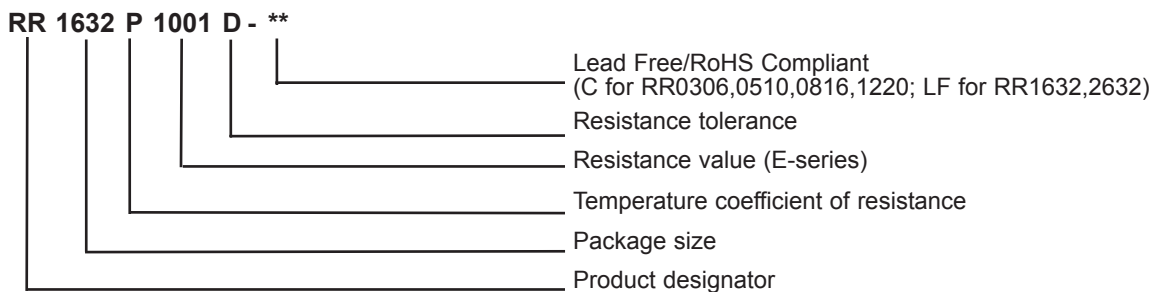


Dimension mm	RR0306 (0201)	RR0510 (0402)	RR0816 (0603)	RR1220 (0805)	RR1632 (1206)	RR2632 (1210)
L	0.60 ±0.05	1.00 ±0.05	1.60 ±0.20	2.00 ±0.20	3.20 ±0.20	3.20 ±0.20
W	0.30 ±0.05	0.50 ±0.05	0.80 ±0.20	1.25 ±0.20	1.60 ±0.20	2.60 ±0.20
P	0.12 ±0.05	0.20 ±0.10	0.30 ±0.20	0.40 ±0.20	0.50 ±0.20	0.50 ±0.20
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	100~200K	100~200K	51-1 M	10-49.9	100~330K	100~330K	51-2 M
TCR (ppm/°C)	±100 (R)	±25 (P)	±100 (R)	± 25 (P)	±50 (Q)	±25 (P)	±50 (Q)	±25 (P)	±50 (Q)	±5 (V)	±10 (N)	±25 (P)	±50 (Q)	±5 (V)	±10 (N)	±25x (P)
Range	E-24		E-24/E-96		E-24/E-96		E-24/E-96		E-24/E-96				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.