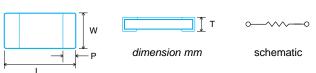
Thin Film Chip Resistor

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

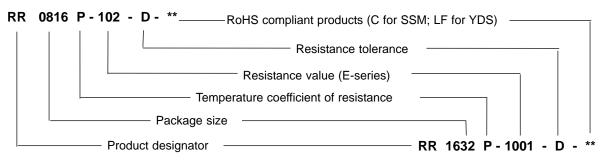


Dimension mm	BB0306 (0204)	BB0540 (0402)	DD0046 (0602)	RR1220 (0805)	RR1632 (1206)	RR2632 (1210)
Dimension mm	RRU300 (0201)	KRUSTU (0402)	KRUOID (0603)	KK1220 (0805)	RR1032 (1200)	RR2032 (1210)
L	0.60 ±0.05	1.00 ±0.05	1.60 ±0.20	2.00 ±0.20	3.20 ±0.20	3.20 ±0.20
W	0.30 ±0.05	0.50 ±0.05	0.80 ±0.20	1.25 ±0.20	1.60 ±0.20	2.60 ±0.20
Р	0.12 ±0.05	0.20 ±0.10	0.30 ±0.20	0.40 ±0.20	0.50 ±0.20	0.50 ±0.20
Т	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

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RR030	6 (0201)	RR0510 (0402)		RR0816 (0603)		RR1220 (0805)		RR1632 (1206)		RR2632 (1210)			
1/2	20 W	1/ 16 W		1/ 16 W		1/ 10 W		1/ 8 W		1/ 4 W			
±1.0%	±0.5%	±0.	±0.5% ±0.5%					± 0.	± 0.5%				
(F)	(D)	(E	D)	(D)		(D)			(E))			
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		
±100	±25	±100	± 25	±50	±25	±50	±25	±50	±25	±50	±25		
(R)	(P)	(R)	(P)	(Q)	(P)	(Q)	(P)	(Q)	(P)	(Q)	(P)		
E-24		E-24/E-96		E-24/E-96		E-24/E-96		E-24/E-96		24/E-96			
15 V		25 V		75 V		100 V		150 V		200 V			
e 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					
										-55°C - +	-125°C		
	RR030 1/2 ±1.0% (F) 10-30 ±100 (R) E-2 15	RR0306 (0201) 1/20 W ±1.0% ±0.5% (F) (D) 10-30 33-22 K ±100 ±25 (R) (P) E-24 15 V	KR0306 ()201) RR0510 1/2∪ 1/1 ±1.0% ±0.5% (F) (D) 10-30 33-22 K ±100 ±25 ±100 (P) (R) (P) E-24 E-24 15 ∨ 25	SSM Manuta RR0306 (0201) RR0510 (0402) 1/20 W 1/16 W ±1.0% ±0.5% (F) (D) 10-30 33-22 K ±100 ±25 ±100 ±25 (R) (P) R-24/E-96 15 ∨ 25 ∨	SSM Manufactured Pr RR0306 (0201) RR0510 (0402) RR0816 1/20 W 1/16 W 1/1 ±1.0% ±0.5% ±0.5% ±0 (F) (D) (D) ±0.76 100-100 K 10-97.6 ±100 ±25 ±100 ±25 ±50 (D) 10 (R) (P) (R) 25 V 75 75	SSM Manufactured Products RR0306 (0201) RR0510 (0402) RR0816 (0603) 1/20 1/16 W 1/16 W ±1.0% ±0.5% ±0.5% ±0.5% (F) (D) ±0.97.6 100-100 K 10-97.6 10-30 33-22 K 10-97.6 100-100 K 10-97.6 100-300 K ±100 ±25 ±100 ±25 ±50 ±25 (R) (P) (R) (P) (Q) (P) E-24/E-96 E-24/E-96 E-24/E-96 10-10 K 10-10 K 15 V 25 V 75 V 100 V 10-10 V 10-10 V	SSM Manufactured Products RR0306 (0201) RR0510 (0402) RR0816 (0603) RR122 1/2∪W 1/16 W 1/16 W 1/17 ±1.0% ±0.5% ±0.5% ±0.5% ±0.5% ±0.5% (F) (D) 00-100 K 10-97.6 100-360 K 10-97.6 10-30 33-22 K 10-97.6 100-100 K 10-97.6 100-360 K 10-97.6 ±100 ±25 ±100 ±25 ±50 ±25 ±50 (R) (P) (R) (P) (Q) (P) (Q) E-24/E-96 E-24/E-96 E-24/E-96 E-24/E-96 E-24/E-96 15 ∨ 25 ∨ 75 ∨ 100 10	$\begin{tabular}{ c c c c c c c } \hline R manufactured Products \\ \hline$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		

芕 <u>4.0 Part Number</u>



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



STANDARD RESISTANCE VALUES

Please refer to the following table of the standard E-Series application for resistors.

SERIES	SIGNIFICANT FIGURES														
E-6	1.00		1.50		2.20		3.30		4.70		6.80				
E-12	1.00	1.20	1.50	1.80	2.20	2.70	3.30	3.90	4.70	5.60	6.80	8.20			
E-24	1.00 4.30	1.10 4.70	1.20 5.10	1.30 5.60	1.50 6.20	1.60 6.80	1.80 7.50	2.00 8.20	2.20 9.10	2.40	2.70	3.00	3.30	3.60	3.90
E-96	1.00	1.02	1.05	1.07	1.10	1.13	1.15	1.18	1.21	1.24	1.27	1.30	1.33	1.37	1.40
	1.43	1.47	1.50	1.54	1.58	1.62	1.65	1.69	1.74	1.78	1.82	1.87	1.91	1.96	2.00
	2.05	2.10	2.15	2.21	2.26	2.32	2.37	2.43	2.49	2.55	2.61	2.67	2.74	2.80	2.87
	2.94	3.01	3.09	3.16	3.24	3.32	3.40	3.48	3.57	3.65	3.74	3.83	3.92	4.02	4.12
	4.22	4.32	4.42	4.53	4.64	4.75	4.87	4.99	5.11	5.23	5.36	5.49	5.62	5.76	5.90
	6.04	6.19	6.34	6.49	6.65	6.81	6.98	7.15	7.32	7.50	7.68	7.87	8.06	8.25	8.45
	8.66	8.87	9.09	9.31	9.53	9.76									

Preferred value of resistance shall be composed by significant figures shown in the above table and multipliers including x10 ohm, x100 ohm, x1,000 ohm, x10,000 ohm, and x100,000 ohm.

- specifications in this catalog are subject to change for future improvement without prior notice
- the contents of this catalog are current as of September 2006
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