



**THE DATASHEET OF
RR0510R-820-D**



Metal thin film chip resistors (precision)

RR series

Features

- Precision chip resistors excellent in resistance tolerance, TCR, frequency performance, noise characteristics, and linearity.
- * This product is not currently recommended for use in new design systems. Production may be discontinued in the near future.

Applications

- Consumer electronics that requires precision resistors
- All purpose resistors in any area of electronics



Thin film surface mount resistors

RR series

◆ Part numbering system

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

Series code

Size: RR0306, RR0510,
RR0816, RR1220,

Temperature coefficient of resistance

Nominal Resistance RR0306, RR0510, RR0816, RR1220 E-24: 3 digit,
RR0306, RR0510, RR0816, RR1220 E-96: 4 digit,

only given to 3 digit coders
for RR0816 E-96 series

Letter M is added for RR1220 E-96 series 4digit codes

Resistance tolerance

◆ Electrical Specification

Type	Power ratings	Temperature coefficient of resistance (ppm/°C)	Resistance range(Ω) Resistance tolerance			Maximum voltage	Resistance value series	Operating temperature	Packaging quantity
			±0.1% (B)	±0.5% (D)	±1% (F)				
RR0306	1/20W	±25(P)	—	33≤R≤22k		15V	E-24	-55°C ~ 125°C	5,000pcs
		±100(R)	—	—	10≤R≤30				
RR0510	1/16W	±25(P)	—	100≤R≤100k	—	25V	-55°C ~ 125°C		10,000pcs
		±100(R)	—	10≤R<100	—				
RR0816	1/16W	±25(P)	—	100≤R≤360k	—	75V		-55°C ~ 125°C	5,000pcs
		±50(Q)	—	10≤R<100	—				
RR1220	1/10W	±25(P)	—	100≤R≤1M		100V	-55°C ~ 125°C		5,000pcs
		±50(Q)	—	10≤R<100	—				

◆ Dimensions



Type	Size (inch)	L	W	a	b	t
RR0306	0201	0.60±0.05	0.30±0.05	0.12±0.05	0.12±0.05	0.23±0.03
RR0510	0402	1.00±0.05	0.50±0.05	0.20±0.10	0.25±0.05	0.35±0.05
RR0816	0603	1.60±0.20	0.80±0.20	0.30±0.20	0.30±0.20	0.40±0.10
RR1220	0805	2.00±0.20	1.25±0.20	0.40±0.20	0.40±0.20	0.40±0.10

(unit : mm)

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