



# Metal thin film chip resistors (precision)

## RR series

### Features

- Excellent characteristics in resistance tolerance, temperature coefficient of resistance, current noise, and linearity

### Applications

- Any electronics applications that require accuracy and reliability such as automotive electronics, industrial test and measurement, consumer electronics and many others.

### Specifications

\* Stocked items: E-24 series (TCR P and Q, resistance tolerance D), other E-24 and E-96 series are made to order.

#### Dimensions



unit : mm

Dimension (inch)	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
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

#### Electrical characteristics

Series name	RR0306	RR0510	RR0816	RR1220	RR1632	RR2632
power	1/20W	1/16W	1/16W	1/10W	1/8W	1/4W
E series offered	E-24		E-24, E-96			
Resistance range (Ω)	10~30	33~22k	10~91	100~100k	10~91	100~360k
Resistance tolerance (%)	±0.1% (B)	—	—	—	—	—
	±0.5% (D)	—	○	○	○	○
	±1.0% (F)	○	—	—	—	—
Temperature coefficient of resistance (ppm/°C)	±5 (V)	—	—	—	—	○
	±10 (N)	—	—	—	—	○
	±25 (P)	—	○	—	—	○
	±50 (Q)	—	—	—	○	—
	±100 (R)	○	—	○	—	—
Maximum voltage	15V	25V	75V	100V	150V	200V
Operating temperature	-55°C~125°C					
Packaging	5,000pcs	—	—	○	○	○
	10,000pcs	—	○	—	—	—

Contact us for the jumper resistor in RR0816 size (part number: RL0816-JMP)

### Part numbering system

**RR 0816 P - 102 - D - (M) - (T5) - (\*\*\*)** — Only given to 3 digit codes for RR0816 E-96 series



# Mouser Electronics

Authorized Distributor

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[RR1220P-684-D](#) [RR1220P-6980-D-M](#) [RR1220P-6981-D-M](#) [RR1220P-6982-D-M](#) [RR1220P-6983-D-M](#) [RR1220P-](#)  
[7150-D-M](#) [RR1220P-7151-D-M](#) [RR1220P-7152-D-M](#) [RR1220P-7153-D-M](#) [RR1220P-7320-D-M](#) [RR1220P-7321-D-M](#)  
[RR1220P-7322-D-M](#) [RR1220P-7323-D-M](#) [RR1220P-751-D](#) [RR1220P-752-D](#) [RR1220P-753-D](#) [RR1220P-754-D](#)  
[RR1220P-7680-D-M](#) [RR1220P-7681-D-M](#) [RR1220P-7682-D-M](#) [RR1220P-7683-D-M](#) [RR1220P-7870-D-M](#) [RR1220P-](#)  
[7871-D-M](#) [RR1220P-7872-D-M](#) [RR1220P-7873-D-M](#) [RR1220P-8060-D-M](#) [RR1220P-8061-D-M](#) [RR1220P-8062-D-M](#)  
[RR1220P-8063-D-M](#) [RR1220P-821-D](#) [RR1220P-822-D](#) [RR1220P-823-D](#) [RR1220P-824-D](#) [RR1220P-8250-D-M](#)  
[RR1220P-8251-D-M](#) [RR1220P-8252-D-M](#) [RR1220P-8253-D-M](#) [RR1220P-8450-D-M](#) [RR1220P-8451-D-M](#) [RR1220P-](#)  
[8452-D-M](#) [RR1220P-8453-D-M](#) [RR1220P-8660-D-M](#) [RR1220P-8661-D-M](#) [RR1220P-8662-D-M](#) [RR1220P-8663-D-M](#)  
[RR1220P-8870-D-M](#) [RR1220P-8871-D-M](#) [RR1220P-8872-D-M](#) [RR1220P-8873-D-M](#) [RR1220P-9090-D-M](#)  
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