



Metal thin film chip resistors (precision)

RR series

Features

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

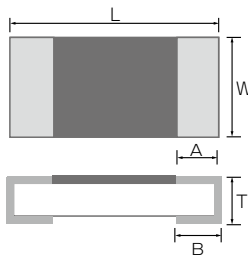
Applications

- 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 | 10~91 | 100~1M | 10~47 | 51~1M | 100~200k | 10~47 | 51~1M | 100~200k |
| 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

