



# Metal thin film chip resistors (precision)

## ■ RR series

### Features

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

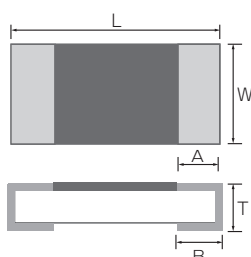
### Applications

- 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

