

# RR series, high-precision metal film chip resistors



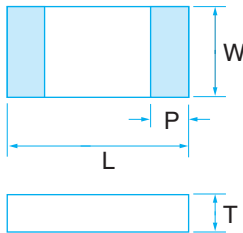
Excellent in resistance tolerance, thermal coefficient of resistance, high-frequency characteristics, current-noise-free characteristics, and minimized third harmonic distortion.

Our SMD components contribute to lead-free composition of electronics products.



## SPECIFICATIONS

### Mechanical



| Dimension (mm) | 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     |
| P              | 0.12±0.05     | 0.20±0.10     | 0.30±0.20     | 0.40±0.20     | 0.50±0.20     | 0.50±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     |

### Equivalent circuit



### Electrical

| Type   | RR0306              | RR0510              | RR0816              | RR1220            | RR1632           | RR2632              |
|--|---------------------|---------------------|---------------------|-------------------|------------------|---------------------|
| Power  | 1/20W               | 1/16W               | 1/16W               | 1/10W             | 1/8W             | 1/4W                |
| Resistance Tolerance (code)                        | ±1.0% (F) ±0.5% (D) | ±0.5% (D)           | ±0.5% (D)           | ±0.5% (D)         | ±0.5% (D)        |                     |
| Resistance Range (ohm)                             | 10~33~30<br>33~22K  | 10~100~97.6<br>100K | 10~100~97.6<br>360K | 10~100~97.6<br>1M | 10~49.9<br>51~1M | 10~49.9<br>51~2M    |
| Temperature Coefficient of Resistance ppm °C(code) | ±100 (R) ±25 (P)    | ±100 (R) ±25 (P)    | ±50 (Q) ±25 (P)     | ±50 (Q) ±25 (P)   | ±50 (Q) ±25 (P)  | ±50 (Q) ±25 (P)     |
| Resistance Value                                   | E-24                | E-24/E-96           | E-24/E-96           | E-24/E-96         | E-24/E-96        | E-24/E-96           |
| Maximum Operating Voltage                          | 15V                 | 25V                 | 75V                 | 100V              | 150V             | 200V                |
| Package  | 5,000pcs/reel       | 10,000pcs/reel      | 5,000pcs/reel       | 5,000pcs/reel     | 5,000pcs/reel    | 1,000-5,000pcs/reel |

Contact us also for RL0816-JMP jumper resistor whose dimensions are the same as those of RR0816.

**NEW** RR0816 with 1/10W power consumption, RR1220 with 1/8W power consumption, and RR1632 with 1/4W power consumption are available to meet your needs.



## PART NUMBER

**RR 0816 P - 102 - D**

