



# 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, 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 |                 |                         |                       | 10,000pcs          |
| RR0510 | 1/16W         | ±25(P)   | —  | 100≤R≤100k | —       | 25V             | E-24, E-96              |                       | 5,000pcs           |
|        |               | ±100(R)  | —  | 10≤R<100   | —       |                 |                         |                       | 10,000pcs          |
| RR0816 | 1/16W         | ±25(P)   | —  | 100≤R≤360k | —       | 75V             | E-24, E-96              | 5,000pcs              |                    |
|        |               | ±50(Q)   | —  | 10≤R<100   | —       |                 |                         |                       |                    |
| RR1220 | 1/10W         | ±25(P)   | —  | 100≤R≤1M   |         | 100V            | E-24, E-96              | 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)

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View RR0510P-182-D on WIN SOURCE](#)
-  [Susumu Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management