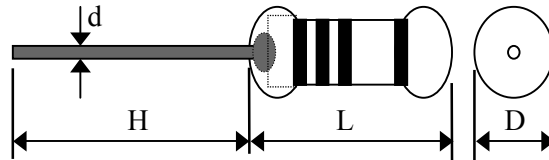
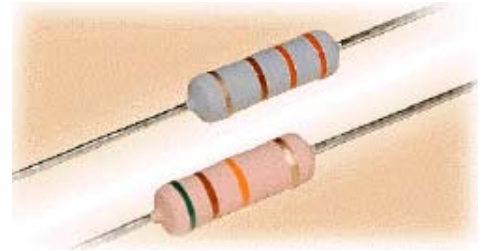




General Resistors

Metal Oxide Resistors - RSS, RSN Series / 氧化皮膜电阻器

RSS and RSN Series have a resistance element formed by the oxidation reaction of a vapor or spray of tin chloride solution on the heated surface of a glass or ceramic rod. The resulting tin-oxide film is adjusted to value by cutting a helix path through the film. It can sustain high temperatures and electrical overloads, and supports moderate-to-precision attributes. Types include high power and flameproof axial through hole and surface-mounted devices.



► Metal Oxide Resistor General Specifications

| Type | | L | D | H | d ± 0.05 | MAX Working Voltage | | Dielectric Withstanding Voltage | |
|------|------|-----------|-----------|--------|-----------|---------------------|------|---------------------------------|-------|
| RSS | RSN | | | | | RSS | RSN | RSS | RSN |
| 1/2W | 1/4W | 6.0 ± 0.3 | 2.3 ± 0.3 | 26 ± 1 | 0.40~0.50 | 200V | 300V | 400V | 500V |
| 1W | 1/2W | 9.0 ± 0.5 | 3.0 ± 0.5 | 26 ± 1 | 0.50~0.55 | 250V | 350V | 500V | 600V |
| 2W | 1W | 11 ± 1.0 | 4.0 ± 0.5 | 26 ± 3 | 0.75~0.80 | 300V | 350V | 600V | 700V |
| 3W | 2W | 15 ± 1.0 | 5.0 ± 0.5 | 35 ± 3 | 0.75~0.80 | 350V | 350V | 700V | 700V |
| 5W | 3W | 17 ± 1.0 | 6.0 ± 0.5 | 35 ± 3 | 0.75~0.80 | 350V | 500V | 700V | 1000V |
| 6W | 5W | 24 ± 1.0 | 8.0 ± 0.5 | 38 ± 3 | 0.75~0.80 | 500V | 700V | 800V | 1000V |
| 7W | 6W | 24 ± 1.0 | 8.0 ± 0.5 | 38 ± 3 | 0.75~0.80 | 500V | 700V | 800V | 1000V |
| 10W | 7W | 41 ± 1.0 | 8.0 ± 0.5 | 38 ± 3 | 0.75~0.80 | 750V | 850V | 850V | 1000V |
| | 10W | 53 ± 1.0 | 8.0 ± 0.5 | 38 ± 3 | 0.75~0.80 | 750V | 850V | 850V | 1000V |

► Metal Oxide Resistor Electrical Performance

| Requirements | Characteristics | Test Method | |
|---------------------------------|---|--------------|-----------------|
| | | JIS C 5202 | MIL-R-22684B |
| Operating Temp.Range | -55°C~200°C | | |
| Temp.Coefficient (ppm C) | ± 300 | 5.2 | 4.6.11 |
| Max. Resistance Changes | Short Time Overload | ± (1%+0.05Ω) | 5.2A |
| | Effect of Soldering | ± (1%+0.05Ω) | 6.4 350°C 2Sec |
| | Temp.Cycling | ± (1%+0.05Ω) | 7.4-55°C / 85°C |
| | Moisture Resistance | ± 5% | 7.9 1,000hr |
| | Load Life | ± 5% | 7.10 1,000hr |
| Dielectric Withstanding Voltage | ± (0.5%+0.05Ω) | 5.7A | 4.6.7 |
| Non-Combustibility | The resistor shall withstand Overload test in accordance with Article UL492.2 13 without producing a fire hazard. | | |
| Resistance to Solvents | No damage on the appearance,co.or bands. | | |

► How to Order



- ① Product type
- ② Rated Power
- ③ Resistance Value (Ω)
- ④ Resistance Tolerance
- ⑤ Packaging