

# Thick Film Chip Resistor

## 0805



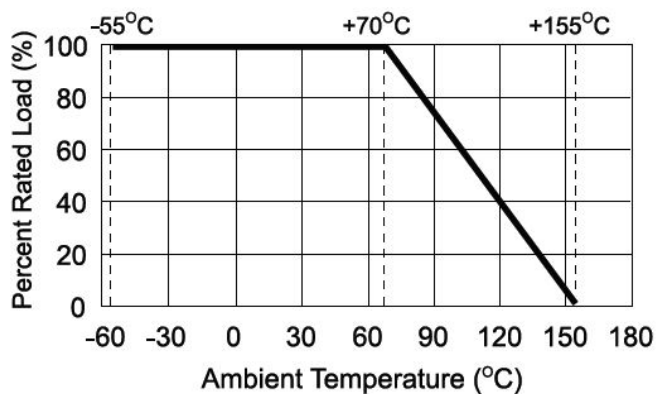
### Features

- Small size and light weight
- Suitable for both wave and reflow soldering
- Reduction of assembly costs

### Performance Specification

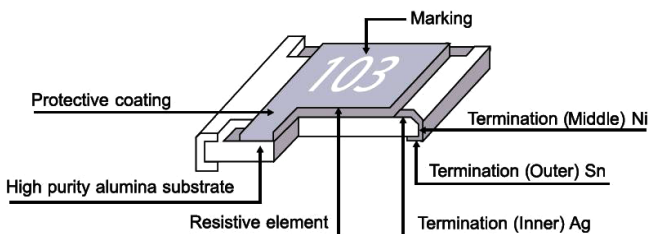
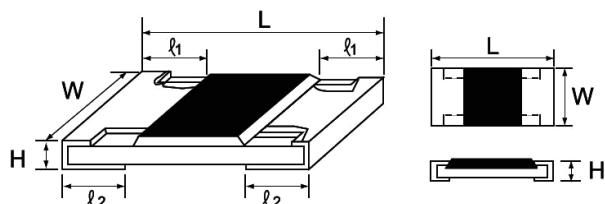
|                                 |  |
|---------------------------------|--|
| Temperature Coefficient         | : 1Ω to 10Ω ±400PPM/°C<br>11Ω to 100Ω ±200PPM/°C<br>>100Ω ±100PPM/°C           |
| Short Time Overload             | : ±5% : ±(2% +0.1Ω)Max.<br>±1% : ±(1% +0.1Ω)Max.                               |
| Insulation Resistance           | : Min. 1,000MΩ   |
| Dielectric Withstanding Voltage | : No evidence of flashover, mechanical damage, arcing or insulation breakdown. |
| Terminal Bending                | : ±(1% +0.05Ω) Max.  |
| Soldering Heat                  | : ±(1% +0.05Ω) Max.  |
| Solderability                   | : Min. 95% coverage  |
| Temperature Cycling             | : ±5% : ±(1% +0.05Ω) Max.<br>±1% : ±(0.5% +0.05Ω) Max.                         |
| Humidity (Steady State)         | : ±5% : ±(3% +0.1Ω) Max.<br>±1% : ±(0.5% +0.1Ω) Max.                           |
| Load Life in Humidity           | : ±5% : ±(3% +0.1Ω) Max.<br>±1% : ±(1% +0.1Ω) Max.                             |
| Load Life                       | : ±5% : ±(3% +0.1Ω) Max.<br>±1% : ±(1% +0.1Ω) Max.                             |

### Derating Curve



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## Dimension



| Type | Dimension (mm) |                                       |           |                |                |
|------|----------------|---------------------------------------|-----------|----------------|----------------|
|      | L              | W                                     | H         | l <sub>1</sub> | l <sub>2</sub> |
| 0805 | 2 ±0.15        | 1.25 <sup>+0.15</sup> <sub>+0.1</sub> | 0.55 ±0.1 | 0.4 ±0.2       | 0.4 ±0.2       |

| Type | Power Rating at 70°C | Max. Working Voltage | Max. Overload Voltage | Dielectric Withstanding Voltage | Tolerance % | Resistance Range |
|------|----------------------|----------------------|-----------------------|---------------------------------|-------------|------------------|
| 0805 | 1/8W-S<br>1/16W      | 2A                   | 4A                    | -                               | Jumper      | <50mΩ            |
|      |                      | 150V                 | 300V                  | 500V                            | ±1%         | 10Ω to 1MΩ       |
|      |                      |                      |                       |                                 | ±2%         | 1Ω to 10MΩ       |
|      |                      |                      |                       |                                 | ±5%         | 1Ω to 10MΩ       |