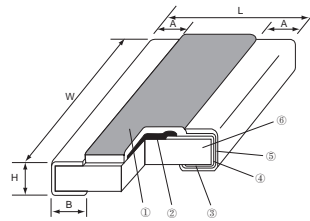


Feature

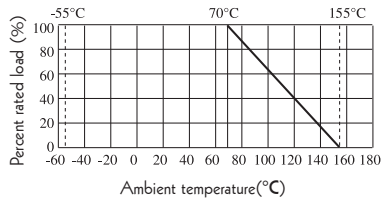
- High power in standard size
- Suitable for reflow & wave soldering
- Application: AV adapters, LCD back-light, camera strobe etc.

Figures



1. Protective layer
2. Resistive element
3. Termination (Inner) Ni / Cr
4. Termination (Between) Ni
5. Termination (Outer) Sn
6. High purity Alumina substrate

Derating Curve & Specification



| Type | Max. Working Voltage | Max. Overload Voltage | Dielectric Withstanding Voltage | Operating Temperature |
|------|----------------------|-----------------------|---------------------------------|-----------------------|
| 0508 | 150V | 300V | 500V | -55°C~155°C |
| 0612 | 200V | 400V | 500V | -55°C~155°C |
| 1020 | 200V | 400V | 500V | -55°C~155°C |
| 1218 | 200V | 400V | 500V | -55°C~155°C |
| 1225 | 200V | 400V | 500V | -55°C~155°C |

| Type | Rated Power at 70°C | L(mm) | W(mm) | H(mm) | A(mm) | B(mm) | Resistance Range of 1% (E-96) | Resistance Range of 5% (E-24) |
|------|---------------------|-----------|-----------|-----------|-----------|-----------|-------------------------------|-------------------------------|
| 0508 | 1/4W | 1.20±0.10 | 2.00±0.10 | 0.55±0.10 | 0.20±0.10 | 0.30±0.20 | 10Ω~1M | 10Ω~1M |
| 0612 | 1/2W | 1.60±0.15 | 3.20±0.15 | 0.55±0.10 | 0.45±0.20 | 0.30±0.20 | 10Ω~1M | 1Ω~1M |
| 1020 | 1W | 2.50±0.15 | 5.00±0.15 | 0.55±0.10 | 0.60±0.20 | 0.40±0.20 | 10Ω~1M | 1Ω~1M |
| 1218 | 1W | 3.10±0.10 | 4.60±0.15 | 0.55±0.10 | 0.45±0.20 | 0.40±0.20 | 1Ω~1M | 1Ω~1M |
| 1225 | 1.5W | 3.10±0.15 | 6.25±0.15 | 0.55±0.10 | 0.45±0.20 | 0.40±0.20 | 10Ω~1M | 10Ω~1M |

Performance Specification

| | | | |
|---------------------------------|---|-------------------------|--|
| Temperature coefficient | 1Ω~10Ω ≤ ±400PPM/°C 11Ω~100Ω ≤ ±200PPM/°C >100Ω ±100PPM/°C | Solderability | Min. 95% coverage |
| Short-time overload | ±5%: ±(2.0% + 0.1Ω) Max. ±1%: ±(1.0% + 0.1Ω) Max. | Temperature cycling | ±5%: ±(1.0% + 0.05Ω) Max. ±1%: ±(0.5% + 0.05Ω) Max. |
| Dielectric withstanding Voltage | No evidence of flashover, mechanical damage, arcing or insulation breakdown | Humidity (Steady State) | ±5%: ±(3.0% + 0.1Ω) Max. ±1%: ±(0.5% + 0.1Ω) Max. |
| Terminal bending | ±(1.0% + 0.05Ω) Max. | Load life in humidity | ±5%: ±(3.0% + 0.1Ω) Max. ±1%: ±(1.0% + 0.1Ω) Max. |
| Soldering heat | ±(1.0% + 0.05Ω) Max. | Load life | ±5%: ±(3.0% + 0.1Ω) Max. ±1%: ±(1.0% + 0.1Ω) Max. |

Ordering Procedure (Example: Wide Terminal 1218 1W 5% 120KΩ T/R-4000)

