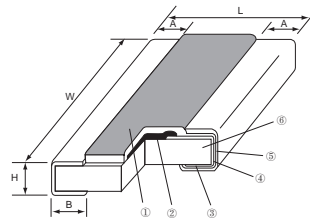


## Feature

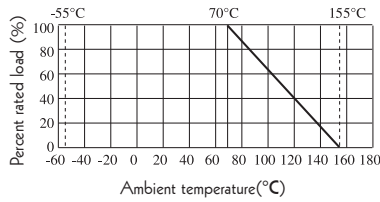
- High power in standard size
- Suitable for reflow & wave soldering
- Application: AV adapters, LCD back-light, camera strobe etc.

## 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)

