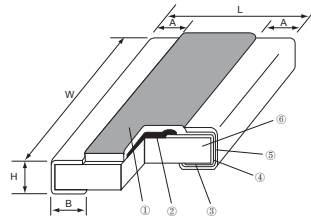


Feature

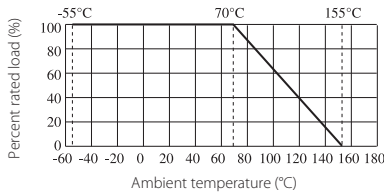
- High power & Wide terminal
- Suitable for both wave & re-flow soldering
- Application: AV adapters, LCD back-light, camera strobe etc.

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	L (mm)	W(mm)	H(mm)	A(mm)	B(mm)
WR08(0508)	1.20±0.10	2.0±0.10	0.55±0.10	0.20±0.10	0.30±0.20
WR12(0612)	1.60±0.15	3.20±0.15	0.55±0.10	0.30±0.20	0.45±0.20
WR20(1020)	2.50±0.15	5.00±0.15	0.55±0.10	0.40±0.20	0.60±0.20
WR18(1218)	3.10±0.10	4.60±0.15	0.55±0.10	0.45±0.20	0.40±0.20
WR25(1225)	3.10±0.15	6.25±0.15	0.55±0.10	0.45±0.20	0.65±0.20

Type	Size	Power 70°C	Resistance Range		Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Operating Temperature	T.C.R PPM/°C
			1%	5%					
WR08	0508 (1220)	1/3W	10Ω~1M		150V	300V			10R: ±400 10Ω<R≤100Ω±200 >100Ω±100
		2/3W	10mΩ~10Ω		/	/			10mΩ≤R<30mΩ:0~+400 30mΩ≤R≤10Ω:0~+150
		/	<50mΩ		4A	8A			/
WR12	0612 (1632)	1/2W	10Ω<R≤1M		200V	400V			10Ω<R≤100Ω±200 >100Ω±100
		1W	10mΩ≤R≤10Ω		/	/			10mΩ≤R<100mΩ:0~+200 100mΩ≤R≤10Ω:0~+150
		/	<50mΩ		5A	10A			/
WR20	1020 (2550)	1W	10Ω~1M	1Ω~1M	200V	400V	500V	-55°C ~155°C	1Ω<R≤10Ω:±400 10Ω<R≤100Ω±200 >100Ω±100
		/	10mΩ~1Ω		/	/			10mΩ≤R<30mΩ:0~+200 30mΩ≤R≤1Ω:0~+100
		/	<50mΩ		6A	12A			/
WR18	1218 (3245)	1W	10mΩ~1M		200V	400V			10mΩ≤R<30mΩ:0~+200 30mΩ≤R≤1Ω:0~+100 1Ω<R≤10Ω:±400 10Ω<R≤100Ω±200 >100Ω±100
		/	<50mΩ		6A	10A			/
WR25	1225 (3264)	2W	1Ω<R≤1M		200V	400V			1Ω<R≤10Ω:±400 10Ω<R≤100Ω±200 >100Ω±100
		3W	10mΩ≤R≤1Ω		/	/			10mΩ≤R<30mΩ:0~+150 30mΩ≤R≤1Ω:0~+100
		/	<50mΩ		6A	15A			/

Performance Specification

Short-time overload	±5%: $\pm(2.0\% \pm 0.005\Omega)$ ±1%: $\pm(1.0\% \pm 0.005\Omega)$
Dielectric withstanding voltage	No evidence of flashover mechanical damage, arcing or insulation break down.
Terminal bending	$\pm (1.0\% \pm 0.005\Omega)$
Soldering heat	$\pm (1.0\% \pm 0.005\Omega)$
Solderability	Coverage must be over 95%.
Rapid change of temperature	±5%: $\pm(1.0\% \pm 0.005\Omega)$ ±1%: $\pm(0.5\% \pm 0.005\Omega)$
Load life in humidity	±5%: $\pm(3.0\% \pm 0.005\Omega)$ ±1%: $\pm(1.0\% \pm 0.005\Omega)$
Load life	±5%: $\pm(3.0\% \pm 0.005\Omega)$ ±1%: $\pm(1.0\% \pm 0.005\Omega)$

Ordering Procedure (Example: Wide Terminal WR18 1W 5% 120KΩ T/R-4000)

