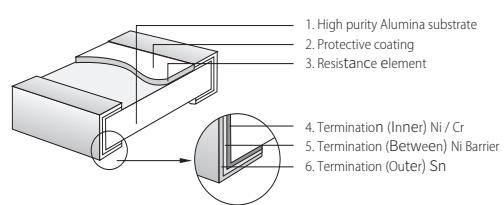
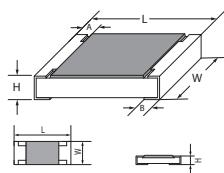


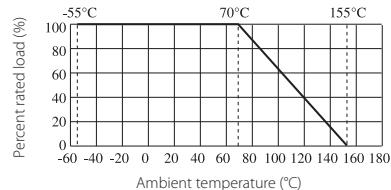
Feature

- Superiority in Max. Working Voltage performance than general thick film Chip Resistors.
- Suitable for wave & reflow soldering
- Application: AV adapter, LCD Backlight, Flash Light of camera

Figures



Derating Curve & Specification



Type	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Operating Temperature
HV03	200V	400V	300V	
HV05	400V	800V	500V	
HV06	500V	1000V	500V	
HV07	800V	1500V	500V	
HV10	2000V	3000V	500V	
HV12	3000V	4000V	500V	

Type	Size	Power Rating at 70°C	L(mm)	W(mm)	H(mm)	A(mm)	B(mm)	Resistance Range 1% & 5%
HV03	0603 (1608)	1/10W	1.60±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.30± 0.20	36KΩ~10MΩ
HV05	0805 (2012)	1/8W	2.00±0.15	1.25 ^{+0.15} _{-0.10}	0.55±0.10	0.40±0.20	0.40± 0.20	100KΩ~10MΩ
HV06	1206 (3216)	1/4W	3.10±0.15	1.55 ^{+0.15} _{-0.10}	0.55±0.10	0.45±0.20	0.45±0.20	100KΩ~10MΩ
HV07	1210 (3225)	1/2W	3.10±0.10	2.60±0.20	0.55±0.10	0.50±0.25	0.50±0.20	50KΩ~10MΩ
HV10	2010 (5025)	3/4W	5.00±0.10	2.50±0.20	0.55±0.10	0.60±0.25	0.50±0.20	50KΩ~10MΩ
HV12	2512 (6432)	1W	6.35±0.10	3.20±0.20	0.55±0.10	0.60±0.25	0.50±0.20	39KΩ~10MΩ

Anti-sulfur and high voltage product named NV series had been available.

Performance Specification

Temperature coefficient ±100PPM/°C

Short-time overload ±(2.0%+0.1Ω)

Terminal bending ±(1.0%+0.05Ω)

Solderability Coverage must be over 95%.

Rapid change of temperature 5% : ±(1.0%+0.05Ω)

1%: ±(0.5%+0.05Ω)

Humidity (Steady State) ±(3.0%+0.1Ω)

Load life in humidity ±(3.0%+0.1Ω)

Load life ±(3.0%+0.1Ω)

Insulation resistance ≥1,000MΩ

Dielectric withstanding voltage No evidence of flashover, mechanical damage, arcing or insulation breakdown

Soldering heat ±(1.0% + 0.05Ω)

Ordering Procedure (Example: High Voltage HV06 1/4W 5% 120KΩ T/R-5000)

