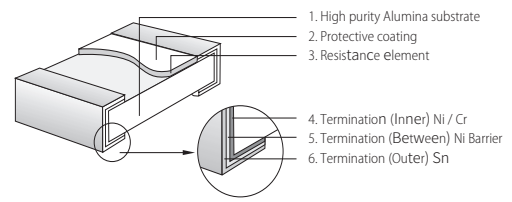
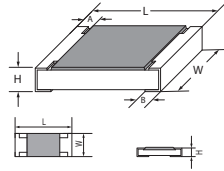


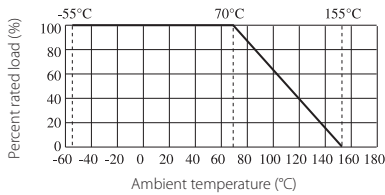
## Feature

- 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	-55°C~155°C
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 <sup>+0.15</sup> <sub>-0.10</sub>	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 <sup>+0.15</sup> <sub>-0.10</sub>	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-sulfurate and high voltage product named NV series had been available.

## Performance Specification

<b>Temperature coefficient</b>	±100PPM/°C
<b>Short-time overload</b>	±(2.0%+0.1Ω)
<b>Terminal bending</b>	±(1.0%+0.05Ω)
<b>Solderability</b>	Coverage must be over 95%.
<b>Rapid change of temperature</b>	5% : ±(1.0%+0.05Ω) 1% : ±(0.5%+0.05Ω)
<b>Humidity (Steady State)</b>	±(3.0%+0.1Ω)
<b>Load life in humidity</b>	±(3.0%+0.1Ω)
<b>Load life</b>	±(3.0%+0.1Ω)
<b>Insulation resistance</b>	≥1,000MΩ
<b>Dielectric withstanding voltage</b>	No evidence of flashover, mechanical damage, arcing or insulation breakdown
<b>Soldering heat</b>	±(1.0% + 0.05Ω)

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

