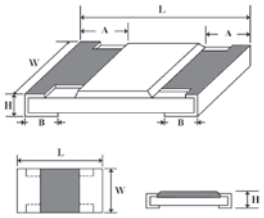
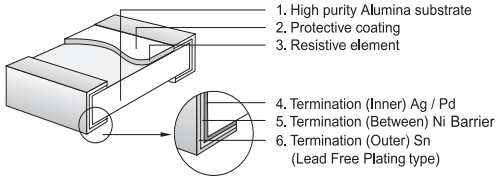
High Voltage Thick Film Chip Resistors

Feature

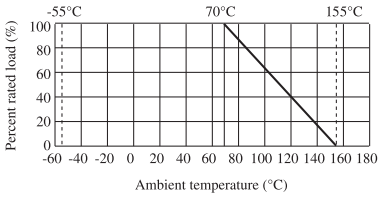
- Superior to chip resistors in maximum working voltage
- Ideal for use in AV adapters, LCD back-light camera strobe etc.
- Suitable for reflow and wave soldering

Figures





Derating Curve & Specification



Type	Max. working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Operating Temperature
HV05	300V	800V	500V	-55℃ ~125℃
HV06	400V	1000V	500V	-55℃ ~125℃
HV10	800V	3000V	500V	-55℃ ~125℃

Type	Power Rating at 70°C	L(mm)	L(mm)	H(mm)	A(mm)	B(mm)	Resistance Range of 1%(E-96)	Resistance Range of 5%(E-24)
HV05	1/10W, 1/8W-S	2.00±0.15	1.25 $^{\pm0.15}_{-0.10}$	0.55±0.10	0.40±0.20	0.40± 0.20	100KΩ~10M	100KΩ~10M
HV06	1/8W, 1/4W-S	3.10±0.15	1.55 $^{\pm0.15}_{-0.10}$	0.55±0.10	0.45±0.20	0.45±0.20	100KΩ~10M	100KΩ~10M
HV10	1/2W	5.00±0.10	2.50 $^{\pm0.15}_{-0.10}$	0.55±0.10	0.60±0.25	0.50±0.20	50KΩ~10M	50KΩ~10M

Performance Specifications

Temperature Coefficient	±200PPM/℃	Temperature Cycling	5% : ±(1.0%+0.05Ω)max 1%: ±(0.5%+0.05Ω)max
Short-time Overload	±(2.0%+0.1Ω)max	Humidity Steady State	±(3.0%+0.1Ω)max
Terminal Bending	±(1.0%+0.05Ω)max	Load Life in Humidity	±(3.0%+0.1Ω)max
Sosderability	Min 95% Coverage	Load Life	±(3.0%+0.1Ω)max

Ordering Procedure (Example: High Voltage 1206 1/4W-S 5% 120KΩ T/R-5000)

H V 0 6 S 4 J 0 1 2 4 T 5 E

Product Type:
Fill-in 4 digits with the Chip resistor type as follow:
HV05, HV06, HV10

Wattage:
Fill-in 2 digits with the codes as follow:
Normal size:
W8=1/8W,
WA=1/10W
W2=1/2W
Small size:
S8=1/8W-S,
S4=1/4W-S,

Tolerance:
F = ±1%
J = ±5%

Resistance Value:
E-24 series:
the 1st digit is "0", the 2nd & 3rd digits are for the significant figures of the resistance and the 4th indicate the numbers of zeros following;
E-96 series:
the 1st to 3rd digits are for the significant figures of the resistance and the 4th digit indicate the numbers of zeros following

Packing Type:
T = T/R packing
B = Bulk in Poly-bag
C = Bulk in cassette

Packing Quantity:
4=4,000pcs,
5=5,000pcs
C=10,000pcs
D=20,000pcs

Special Feature:
E = Lead Free Plating type.