

High Voltage Thick Film Chip Resistors

Performance Specification

Temperature Coefficient	±200PPM/°C
Short Time Overload	±(2.0% + 0.1Ω)Max
Terminal Bending	±(1.0% + 0.05Ω)Max
Solderability	Min. 95% coverage.
Temperature Cycling	±5%: ±(1.0% + 0.05Ω)Max ±1%: ±(1.0% + 0.05Ω)Max

Humidity (Steady State)	±(3.0% + 0.1Ω)Max
Load Life in Humidity	±(3.0% + 0.1Ω)Max
Load Life	±(3.0% + 0.1Ω)Max

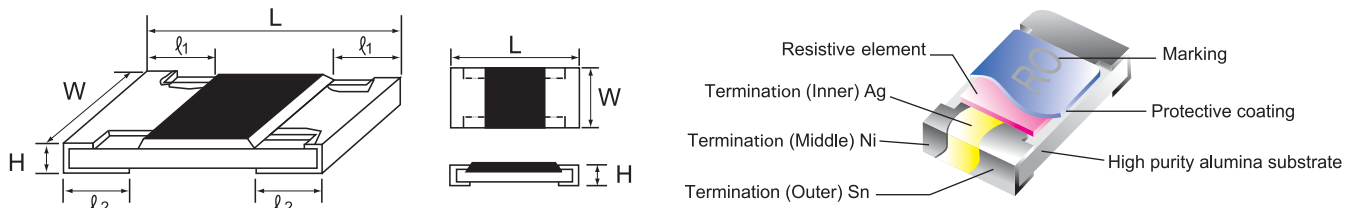
Ordering Procedure: Ex.: HV06, 1/4W-S, +/-5%, 100KΩ T/R-5000

H	V	0	6	S	4	J	0	1	0	4	T	5	E		
Resistor Size: HV03 = 0603 HV05 = 0805 HV06 = 1206 HV10 = 2010 HV12 = 2512								Resistance Value: <ul style="list-style-type: none"> E-24 series: 1st digit is "0" 2nd & 3rd digits are significant figures of the resistance 4th indicates the number of zeros E-96 series: 1st to 3rd digits are significant figures of the resistance 4th digit indicates the number of zeros. "J" ~ 0.1, "K" ~ 0.01, "L" ~ 0.001 Ex. 012J ~ 1Ω2, 226K ~ 2Ω26 							
Wattage: Normal size: WG=1/16W, WA=1/10W, W8=1/8W, W2=1/2W, 1W=1W Small Size: SA=1/10W-S, S8=1/8W-S, S4=1/4W-S								Tolerance: F = ±1% J = ±5%							
								Packing Type: T = Tape/Reel							
								Packing Qty: 4 = 4,000 pcs. 5 = 5,000 pcs.							
								Special Feature: E = Lead (Pb) Free Plating Type/ RoHS compliant							

Features

- High maximum working voltage limits
- Suitable for both wave and reflow soldering
- Application: AV adapters, LCD back light, Camera strobe

Dimension



Type	Power Rating at 70°C	Max Working Voltage	Max Overload Voltage	Dielectric Withstanding Voltage	Tolerance %	Resistance Range	Dimension (mm)				
							L	W	H	l ₁	l ₂
HV03 (0603)	1/16W, 1/10W-S	200V	400V	300V	±1% ±5%	100KΩ ~ 10MΩ 100KΩ ~ 10MΩ	1.60±0.10	0.80	0.45±0.10	0.30±0.20	0.30±0.20
HV05 (0805)	1/10W, 1/8W-S	400V	800V	500V	±1% ±5%	100KΩ ~ 10MΩ 100KΩ ~ 10MΩ	2.00±0.15	1.25	0.55±0.10	0.40±0.20	0.40±0.20
HV06 (1206)	1/8W, 1/4W-S	500V	1000V	500V	±1% ±5%	100KΩ ~ 10MΩ 100KΩ ~ 10MΩ	3.10±0.15	1.55	0.55±0.10	0.45±0.20	0.45±0.20
HV10 (2010)	1/2W	2000V	3000V	500V	±1% ±5%	50KΩ ~ 10MΩ 50KΩ ~ 10MΩ	5.00±0.10	2.50	0.55±0.10	0.60±0.25	0.50±0.20
HV12 (2512)	1W	800V	1600V	500V	±1% ±5%	50KΩ ~ 10MΩ 50KΩ ~ 10MΩ	6.35±0.10	3.20	0.55±0.10	0.60±0.25	0.50±0.20

Standard Operating Temp (°C): -55~+155

