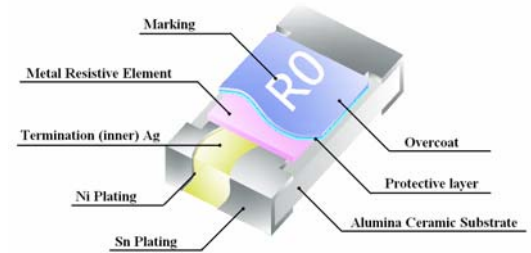


# HIGH VOLTAGE THICK FILM CHIP RESISTORS

## Features

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



### Ordering Procedure: (Ex.: 0805 1/8W-S, +/-1%, 220KΩ, T/R-5000)

H	8	0	5	S	8	F	2	2	0	3	T	5	E		
<b>Resistor Type:</b> Chip Resistor types as follows: H805 = 0805 H206 = 1206 H010 = 2010				<b>Wattage:</b> Normal size: WA=1/10W, W8=1/8W, W2=1/2W Small size: S8=1/8W-S, S4=1/4W-S				<b>Resistance Value:</b> <ul style="list-style-type: none"> <li>• E-24 series: the 1<sup>st</sup> digit is "0", the 2<sup>nd</sup> &amp; 3<sup>rd</sup> digits are for the significant figures of the resistance and the 4<sup>th</sup> indicate the numbering of the zeros.                "J" ~ 0.1, "K" ~ 0.01, "L" ~ 0.001                Ex. 012J ~ 1Ω, 226K ~ 2Ω, 26  </li> <li>• <b>Jumper:</b> use "0" for 1<sup>st</sup> to 4<sup>th</sup> digits</li> </ul>				<b>Packing Type:</b> T = Tape / Reel B = Bulk in Poly-bag C = Bulk in Cassette			
<b>Tolerance:</b> F = ±1% J = ±5%						<b>Packing Qty:</b> 4 = 4,000 pcs 5 = 5,000 pcs C = 10,000 pcs D = 20,000 pcs									
<b>Special Feature:</b> E = Lead (Pb) Free Plating Type															

\* More explanation on part no, please see details on pages 79-80.

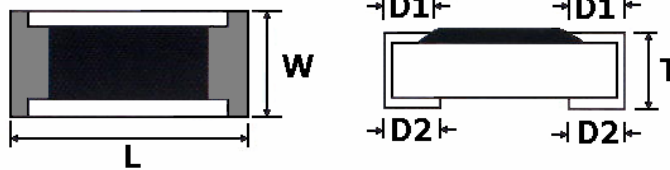
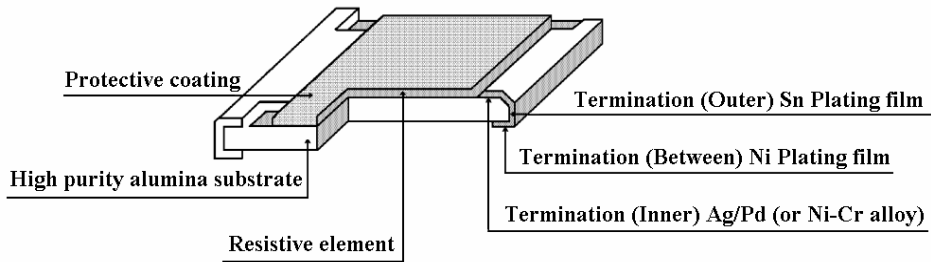
## Performance Specifications

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%: ±(0.5% + 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.

\* More details, please see pages 77-78.

# HIGH VOLTAGE THICK FILM CHIP RESISTORS

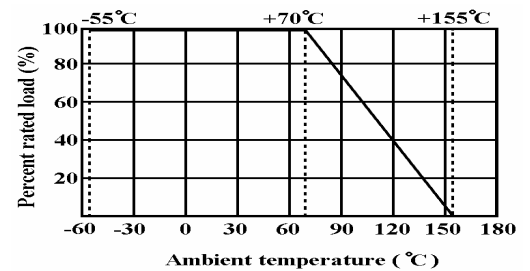
## Construction



## Power Rating

Type	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage	Operating Temperature
H805	300V	800V	500V	-55°C ~ 155°C
H206	400V	1,000V	500V	-55°C ~ 155°C
H010	800V	3,000V	500V	-55°C ~ 155°C

## Derating Curve



## Dimension (mm)

Type	Power Rating at 70°C	L	W	T	D <sub>1</sub>	D <sub>2</sub>	Resistance Range of 1%(E-96)	Resistance Range of 5%(E-24)
H805	1/10W, 1/8W-S	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	100KΩ ~ 10MΩ
H206	1/8W, 1/4W-S	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	100KΩ ~ 10MΩ
H010	1/2W	5.00 ± 0.10	2.50 <sup>+0.15</sup> <sub>-0.10</sub>	0.55 ± 0.10	0.60 ± 0.25	0.50 ± 0.20	50KΩ ~ 10MΩ	50KΩ ~ 10MΩ