

## Thick Film Wraparound High Voltage Surface Mount Chip Resistors

### FEATURES

- High rated continuous working voltage
- High stability thick film resistor element
- 96% Al<sub>2</sub>O<sub>3</sub> substrate material
- Nickel barrier layer terminals provide excellent solder leach resistance
- Tolerances to ±1%
- Trimmed to EIA standard values
- Passivated resistor element



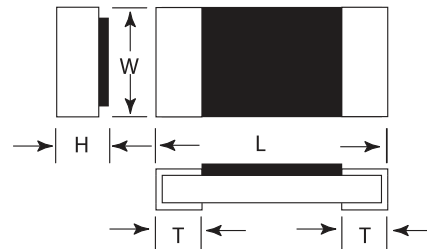
### DIMENSIONS

Part	Length	Width	Height (max)	Terminal	Rated Power @ 70°C	Max RCW Voltage <sup>1</sup>	Max Overload Voltage
HVI-0402	0.039 ± .002	0.020 ± .002	0.015	0.008 ± .004	62.5mW	100V	200V
HVI-0603	0.063 ± .004	0.032 ± .004	0.015	0.012 ± .008	100mW	200V	400V
HVI-0805	0.080 ± .004	0.049 ± .004	0.025	0.016 ± .008	125mW	400V	800V
HVI-1206	0.122 ± .004	0.061 ± .004	0.025	0.020 ± .008	250mW	500V	1kV
HVI-2010	0.201 ± .008	0.101 ± .009	0.026	0.020 ± .012	500mW	2kV	3kV
HVI-2512	0.252 ± .008	0.122 ± .006	0.026	0.028 ± .016	1W	3kV	4kV

1. Operating Voltage =  $\sqrt{P \cdot R}$  or maximum operating voltage above, whichever is lower.

### Resistance Ranges

Item	1%	5%	10%
HVI-0402	39k to 10MΩ	39k to 100MΩ	N/A
HVI-0603	56k to 10MΩ	56k to 100MΩ	N/A
HVI-0805	100k to 10MΩ	100k to 100MΩ	N/A
HVI-1206	100k to 10MΩ	100k to 100MΩ	N/A
HVI-2010	51k to 20MΩ	51k to 100MΩ	N/A
HVI-2512	30k to 20MΩ	30k to 100MΩ	N/A



### ORDERING INFORMATION

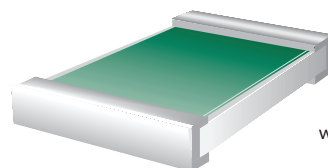
Example: 2 kV, 2010, 40MΩ, 5% Resistor



#### Resistance Value

The first three digits are significant values. The fourth is the number of zeroes following. The R indicates a decimal point when resistance value is less than 100Ω.

#### Terminal Style



WA - Full Wraparound terminals with 100% matte tin finish over nickel barrier layer.

Packaging: B=Bulk, T=Tape and Reel  
RoHS Compliant =