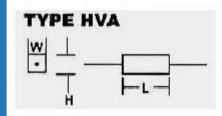


JIN ZON ENTERPRISE CO., LTD.

TEL:886-2-2711-1093~5 FAX:886-2-2731-0902 ,2776-4624 地址:台北市長安東路二段171號4樓之3 Email:jinzon@ms2.hinet.net

HVA1 .2W Ultra Precision Wire Wound Rectangular Body Axial Lead Resistor



Electrical & Physical Specifications:

H-Height: 3.30mm (.130")
L-Length: 9.14mm (.360")
W-Width: 3.18mm (.125")
Lead dimensions: .02" × 1" long min



HVA Series Engineering Attributes:

RESISTANCE & TOLERANCES

You can select any Ohmic value or decimal part of an Ohm with tolerances to \pm .005%. 10 Ω minimum resistance for \pm .01% tolerance. See figure #2 shown below.

TCR CHARACTERISTIC

Standard:

100Ω & higher values: **0±5 ppm/°C.** For values below 100Ω: **0±15ppm/°C.**

Special:

100Ω & higher: 0±1 ppm/°C. matching to 0±.5 ppm/°C.

Please specify temperature span of operation. The TCR is calculated between +25°C. & +100°C.



All Ultra Precision Resistors are designed for full load based upon ±1% resistance tolerance providing the ambient temperature (+) plus the rise in temperature due to self-heating, does not exceed +125°C. Derated to zero power @ +145°C., See figure #1 shown below.



To ±.001%/yr. @ +25°C. with no Load.

REDUCTION OF THERMAL EMF USING COPPER TERMINALS:

Less than ±3 microvolts/°C, emitted.



Standard parts in this series are inductively wound. Non-inductive balanced reverse pi windings are available, simply add suffix letter "N" to the part # when placing your order.

PROTECTIVE SEAL

Features a stress free base coat as well as an epoxy casing that is resistant to solder heat & solvents.

MARKING

PRC stamp, part type & name, Ω value & tolerance, physical size permitting.

Type HVA Derating Table*

For ± 1% resistance tolerance apply up to 100% of rated power to +125 Degrees Celsius, derated to zero power @ +145 Degrees Celsius.

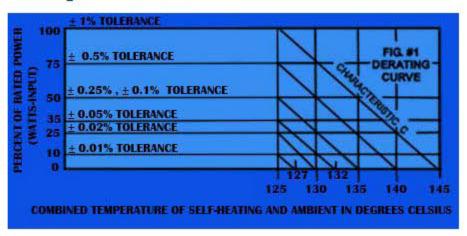
For ± ½% (0.5%) resistance tolerance apply up to 75% of rated power to +125 Degrees Celsius, derated to zero power@ +140 Degrees Celsius.

For ± 1/4% (0.25%) resistance tolerance apply up to 50% of rated power to +125 Degrees Celsius, derated to zero power@ +135 Degrees Celsius.

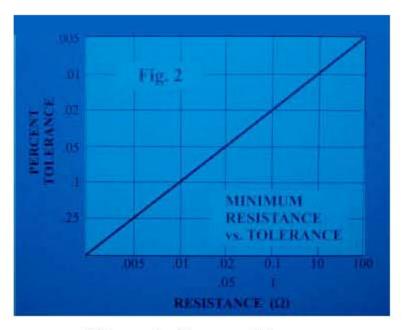
For ± 1/10% (0.1%) resistance tolerance apply up to 50% of rated power to +125 Degrees Celsius, derated to zero power @ +135 Degrees Celsius.

For ± 1/20% (0.05%) resistance tolerance apply up to 35% of rated power to +125 Degrees Celsius, derated to zero power @ +132 Degrees Celsius.

Detailed Images



Derating Information



Minimum Resistance vs. Tolerance

Details

SKU	HVA1
Type	Rect. Axial
Length	9.14mm (.360")
Width	3.18mm (.125")
Lead Dimensions	.02" × 1" long min
Height	3,30mm (,130")
TCR Char.	0±5ppm (Std.) to 0±1ppm /°C.
Temperature	-65°C, to +125°C,
Resistance	.1 Ω to 75K Ω
Tolerance	±.01% (std.) from ±1% to ±.005%
Stability	to ±.001% per year
Max Watts	.2
Max Volts	100
Lead Free	Yes

^{*} Percent of Rated Power vs. Combined Temp. of Self-Heating and Ambient (in °C.).