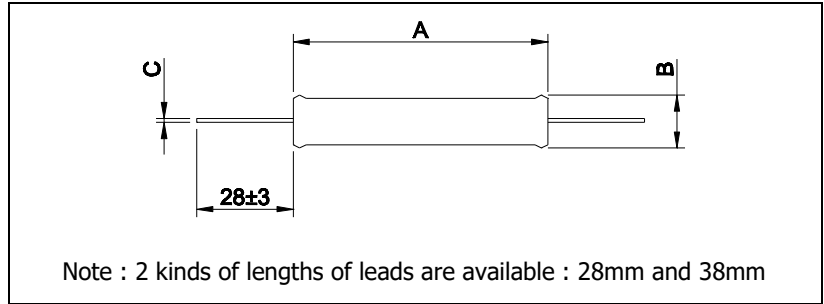


HVI

Precision High Voltage Resistors

- Non-inductive, excellent tolerance, wider resistance values, high voltage
- Precision high voltage power supplier, electron microscopes, X-rays, high resolution CRT displays.



GENERAL SPECIFICATIONS

Type	Rated Power[W] Ambient Temp=125°C	Max. Continuous Oper. Volt[KV] (E= $\sqrt{P \times R}$)	Resistance [Ω]		Tolerance	Dimensions [mm]			Weight (g)
			Minimum	Maximum		A	B	C	
HVI 26	1.0	4.0	100K	250M	±1%	26.90	8.20	1.00	5
HVI 39	1.5	6.0	150K	400M		39.50	8.20	1.00	7
HVI 52	2.0	10	200K	500M		52.10	8.20	1.00	9
HVI 78	3.0	15	300K	700M		77.70	8.20	1.00	13
HVI 103	4.0	20	400K	1G		102.9	8.20	1.00	21
HVI 124	5.0	25	500K	1G		123.7	8.20	1.00	22
HVI 154	6.0	30	600K	1G		153.7	8.20	1.00	25

*Note : Tolerance to 0.5% on special order

CHARACTERISTICS

Temperature Coefficient	±25ppm /°C (Silicone type) ±25ppm /°C, ±50ppm /°C (Epoxy type)	Referenced to +25°C, ΔR taken at +125°C and -55°C Referenced to +25°C, ΔR taken at +90°C
Load Life	$\Delta R \leq 0.25\%$ (Silicone type) $\Delta R \leq 0.5\%$ (Epoxy type)	+125°C, 1000hours
Insulation Resistance	10G Ω	
Encapsulation		High temperature silicone conformal
Short Time overload	$\Delta R \leq 0.2\%$ (Silicone type) $\Delta R \leq 0.5\%$ (Epoxy type)	5 Pe (≤ 1.5 Maximum operating voltage) 5seconds
Thermal Shock	$\Delta R \leq 0.25\%$	
Moisture Resistance	$\Delta R \leq 0.4\%$	
Solderable Lead		28±3mm or 38±3mm

DERATING CURVE AND ORDERING PROCEDURE EXAMPLE

