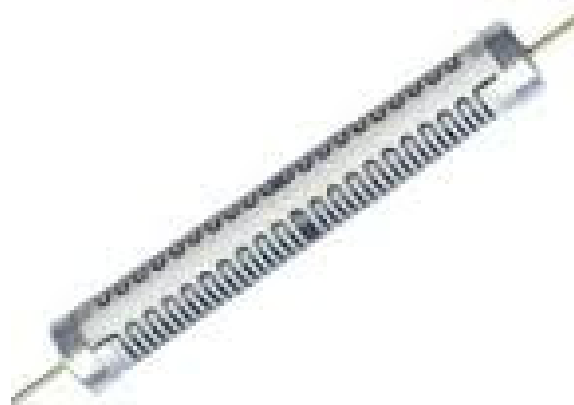


NON-INDUCTIVE HIGH VOLTAGE RESISTORS

HVE

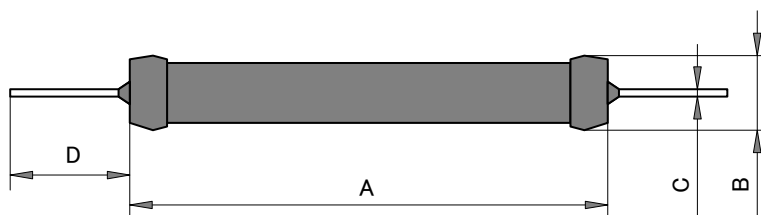


Features and Applications

High voltage, Giga Ohm resistor provides the performance of non-inductive, tight tolerance, wide resistance value.

Applications contain voltage divider of X ray measurements, MRI, plasma generator, electrostatic coating and etc.

Dimensions



	A(mm)	B(mm)	C(mm)	D(mm)
HVE20	20.20	8.20	1.00	28+/-3
HVE26	26.90	8.20	1.00	28+/-3
HVE32	33.00	8.20	1.00	28+/-3
HVE39	39.50	8.20	1.00	28+/-3
HVE52	52.10	8.20	1.00	28+/-3
HVE78	77.70	8.20	1.00	28+/-3
HVE103	102.90	8.20	1.00	28+/-3
HVE124	123.70	8.20	1.00	28+/-3
HVE154	153.70	8.20	1.00	28+/-3

Specifications

	Rated Power (W) at 75 °C	Rated Power (W) at 125 °C	Max Continuous Operating Voltage (kV)	Minimum Resistance (Ω)	Maximum Resistance (Ω)	Tolerance (%)
HVE20	2.5	1.5	4.8	200	1G	1%, 5%, 10%
HVE26	3.7	2.5	6.4	250	1G	1%, 5%, 10%
HVE32	4.5	3.0	8.0	300	1.5G	1%, 5%, 10%
HVE39	5.2	4.0	12.8	400	1.5G	1%, 5%, 10%
HVE52	7.5	5.0	16.0	500	2.5G	1%, 5%, 10%
HVE78	11.0	7.5	24.0	900	4G	1%, 5%, 10%
HVE103	12.0	8.0	32.0	1K2	6G	1%, 5%, 10%
HVE124	15.0	10.0	40.0	1K5	8G	1%, 5%, 10%
HVE154	20.0	15.0	49.0	2K0	10G	1%, 5%, 10%

Performances

Items	Specifications	Conditions
TCR	+/-100 ppm/K (A)	Reference +25 °C / 25 to -55°C / 25 to +125 °C
Load Life	+/-0.25 %	+125°C, 1000hours.
Insulation Resistance	> 10 G Ohm	---
Encapsulation	----	High temperature silicone conformal coating
Short Time Overload	+/-0.5%	5 times rated power, 5 seconds
Thermal Shock	+/-0.25%	---
Humidity	+/-0.4 %	---

Ordering Information

Type	TCR	Resistance	Tolerance	Code	Note
HVE154	-	1G0	F	Z00	
HVE20	-	E24	F (1%)	Z00	RoHS, bulk package
HVE26			J (5%)		
HVE32		E12+ (*)	K (10%)		
HVE39					
HVE52					
HVE78					
HVE103					
HVE124					
HVE154					

(*) Recommend resistance value, when request for optional resistance please call factory.

1.0	1.2	1.5	1.8	2.2	2.5	2.7	3.3	3.9	4.7	5.0	5.6	6.8	8.2
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Derating

