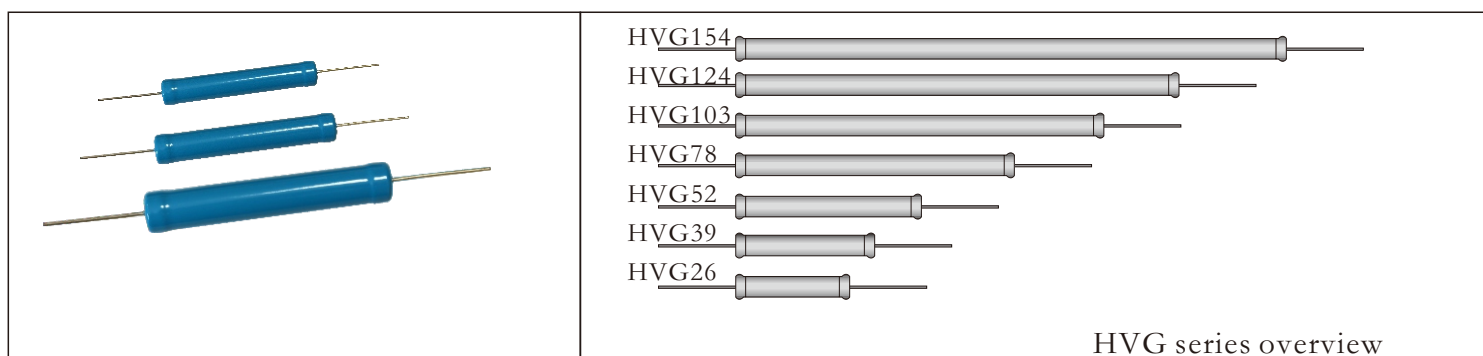
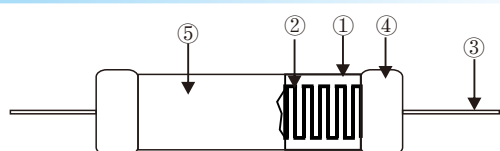




● Feature

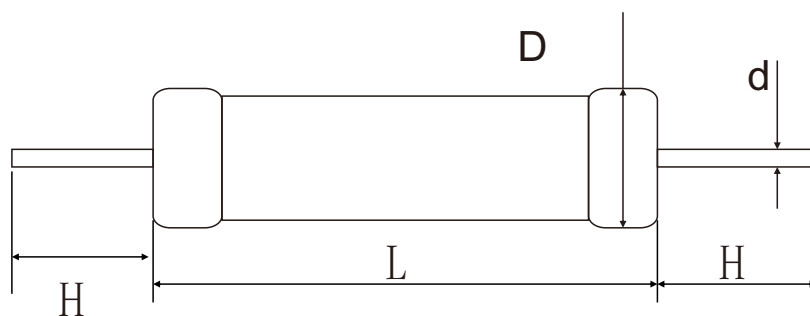
- I up to 48 kV operating voltage
- II Non-Inductive design
- III ROHS compliant
- IV Voltages up to 60% higher than the values

● Construction



- ① Ceramic core
- ② Glazed resistive film
- ③ Lead
- ④ Silver plated brass cap
- ⑤ Protective coating

● Dimensions



Type	Power @125°C	Resistance values (Ω)	Dimensions(mm)			
			L±1	D±0.5	H±3	d±0.1
HVG 26	1.0W	100KΩ-250M	26.9	8.2	38	1.0
HVG 32	1.25W	120KΩ-300M	33.0	8.2	38	1.0
HVG 39	1.5W	150KΩ-400M	39.5	8.2	38	1.0
HVG 52	2.0W	200KΩ-500M	52.1	8.2	38	1.0
HVG 78	3.0W	300KΩ-700M	77.7	8.2	38	1.0
HVG 103	4.0W	400KΩ-1G	102.9	8.2	38	1.0
HVG 124	5.0W	500KΩ-1G	123.7	8.2	38	1.0
HVG 154	6.0W	600KΩ-1G	153.7	8.2	38	1.0

Ordering Information

Example:

HV	1W	F	50M	25
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	Resistance	T C R

(1)Type: HVG SERIES

(2)Power Rating: 26=1W、32=1.25W、39=1.5W、52=2.W、78=3W.....

(3)Tolerance: B=±0.1%、C=±0.25%、D=±0.5%、F=±1.0%

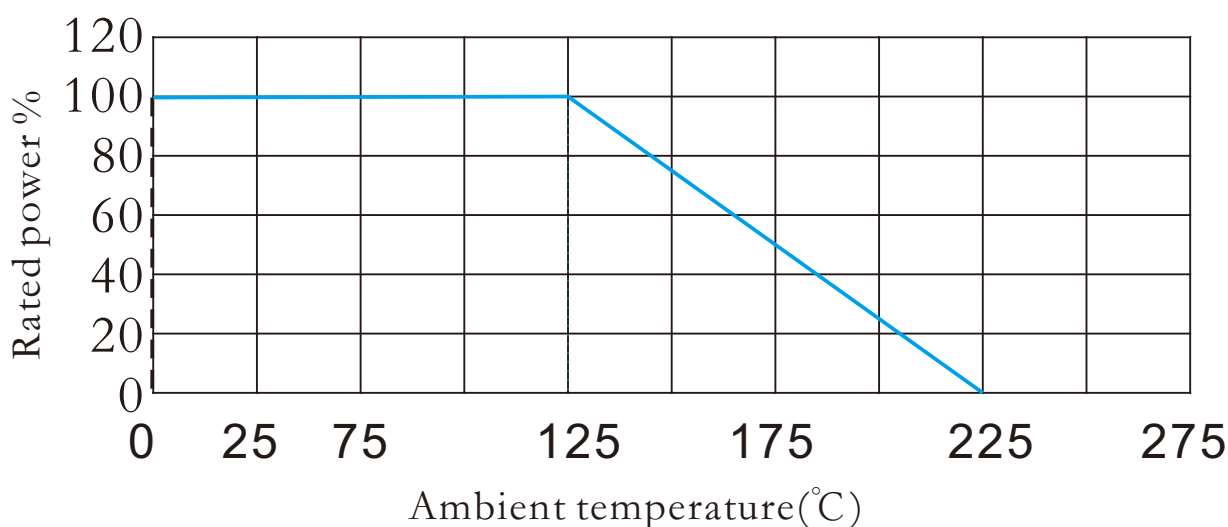
(4)Resistance Value:50M=50M、100M=100M、1G=1G

(5)TCR: ±25ppm/°C

Power And Resistance etc

Type	Power @125°C	Resistance values (Ω)	T C R (PPM/°C)	Max. Power Voltage(KV)	Max. operating temperature (°C)	Resistance tolerance
HVG 26	1.0W	100KΩ-250M	±25ppm/°C (25°C -105°C)	4KV	225°C	B= ± 0.1% C= ± 0.25% D= ± 0.5% F= ± 1.0%
HVG 32	1.25W	120KΩ-300M		5KV		
HVG 39	1.5W	150KΩ-400M		6KV		
HVG 52	2.0W	200KΩ-500M		10KV		
HVG 78	3.0W	300KΩ-700M		15KV		
HVG 103	4.0W	400KΩ-1G		20KV		
HVG 124	5.0W	500KΩ-1G		25KV		
HVG 154	6.0W	600KΩ-1G		30KV		

Derating Curve



● Performance

Test Item	Specifications
Resistance value	100 K Ω $\leq$ 1 G Ω (see model specifications)
Resistance tolerance	$\pm 0.1\%$ to $\pm 1\%$
Temperature coefficient	± 25 ppm/ $^{\circ}$ C (at +25 $^{\circ}$ C ref. to +105 $^{\circ}$ C) or lower on special request for limited ohmic values and model no
Max. operating temperature	+ 225 $^{\circ}$ C
Voltage coefficient	0.2 ppm/V max. as to MIL-Std-202, method 309, 10 kV DC max.
Insulation resistance	1,000 V DC
Overload / overvoltage	5x rated power with applied voltage not to exceed 1.5x maximum continuous operating voltage for 5 sec. ΔR 0.20 % max.
Load life	1,000 hours at 125 $^{\circ}$ C and rated power, components with 1 % tol. ΔR 0.2 % max.,
Load life stability	0.25 % per 1,000 hours at +125 $^{\circ}$ C
Moisture resistance	MIL-Std-202, method 106, ΔR 0.4 % max.
Thermal shock	MIL-Std-202, method 107, Cond. C, ΔR 0.25 % max
Encapsulation	standard: silicone coating other coating options (like 2xpolyimide, glass) available on request
Lead material	OFHC copper, tin-plated