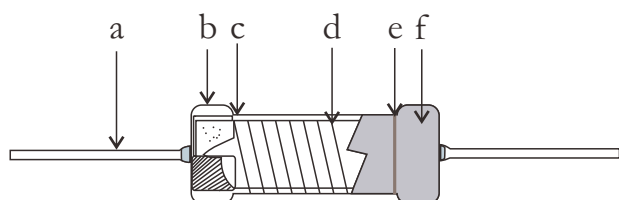




● Features

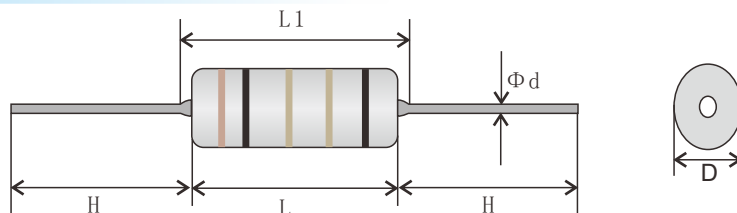
- I Flameproof and insulating coating designed to assure safe usage by special non-flammable silicon-base. (Eqyuvakebt to UL94V-0).
- II Good heat-durability, low temperature coefficient, low noise, high overload power.
- III Stable long service life.
- IV Products meet Eu-RoHS.
- V Response to pulsed high voltage circuit, with excellent performance.

● Construction



a	Lead wire
b	Cap
c	Ceramic base
d	Wire wound
e	Marking or color code
f	Insulation coat

● Dimensions, Applications And Ratings



Type	Power	Resistance Range (Ω)	Dimensions(mm)					Max working Voltage	Dielectric with standing	Pulse with standing voltage	T.C.R
			L±1	L1max	D±0.5	H±3	d±0.05				
HVS14	1/4W	0.1~2KΩ	6.5	7.0	2.50	28.0	0.60	\sqrt{PR}	300V	3KV	≥10Ω ±100PPM/°C
HVS12	1/2W	0.1~3KΩ	9.0	10.0	3.50	28.0	0.60	\sqrt{PR}	350V	5KV	
HVS01	1W	0.1~5KΩ	11.0	13.0	4.00	28.0	0.70	\sqrt{PR}	500V	10KV	
HVS02	2W	0.1~8KΩ	15.0	17.0	5.0	28.0	0.70	\sqrt{PR}	500V	10KV	
HVS03	3W	0.1~8KΩ	18.0	19.0	6.0	28.0	0.70	\sqrt{PR}	700V	10KV	1Ω~9.9Ω ±150PPM/°C
HVS04	4W	0.1~10KΩ	18.0	19.0	6.0	28.0	0.70	\sqrt{PR}	700V	10KV	
HVS05	5W	0.1~10KΩ	19.0	20.0	7.0	30.0	0.75	\sqrt{PR}	700V	10KV	
HVS06	6W	0.1~10KΩ	22.0	24.0	7.50	33.0	0.75	\sqrt{PR}	700V	10KV	0.1Ω~0.99Ω ±200PPM/°C
HVS07	7W	0.1~15KΩ	25.0	26.0	8.0	33.0	0.75	\sqrt{PR}	700V	15KV	
HVS08	8W	0.1~15KΩ	32.0	33.0	8.0	33.0	0.75	\sqrt{PR}	700V	15KV	0.05Ω~0.099Ω ±350PPM/°C
HVS09	9W	0.1~15KΩ	36.0	39.0	8.5	33.0	0.75	\sqrt{PR}	700V	15KV	
HVS10	10W	0.1~30KΩ	36.0	38.0	8.5	33.0	0.75	\sqrt{PR}	700V	15KV	
HVS12	12W	0.1~30KΩ	42.0	43.0	9.0	33.0	0.80	\sqrt{PR}	700V	20KV	
HVS15	15W	0.1~40KΩ	52.0	54.0	9.0	33.0	0.80	\sqrt{PR}	700V	20KV	0.01Ω~0.049Ω ±600PPM/°C
HVS18	18W	0.1~40KΩ	62.0	64.0	9.0	33.0	0.80	\sqrt{PR}	700V	25KV	
HVS20	20W	0.1~40KΩ	66.0	68.0	9.0	33.0	0.80	\sqrt{PR}	700V	25KV	
HVS25	25W	0.1~50KΩ	76.0	78.0	9.0	33.0	0.80	\sqrt{PR}	700V	25KV	
HVS30	30W	0.1~100KΩ	95.0	98.0	12.0	33.0	1.0	\sqrt{PR}	700V	30KV	
HVS35	35W	0.1~100KΩ	95.0	98.0	12.0	33.0	1.0	\sqrt{PR}	700V	30KV	
HVS40	40W	0.1~100KΩ	112.0	114.0	12.0	33.0	1.0	\sqrt{PR}	700V	40KV	

Note: Special products please contact with kh@khxcom.com

Ordering Information

Example:

HVS	14	J	R100
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance

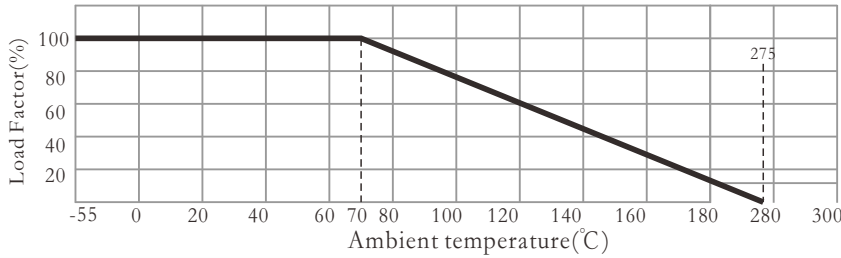
(1)Type:HVS SERIES

(2)Power Rating: 14=1/4W、12=1/2W、1=1W、2=2W、3=3W

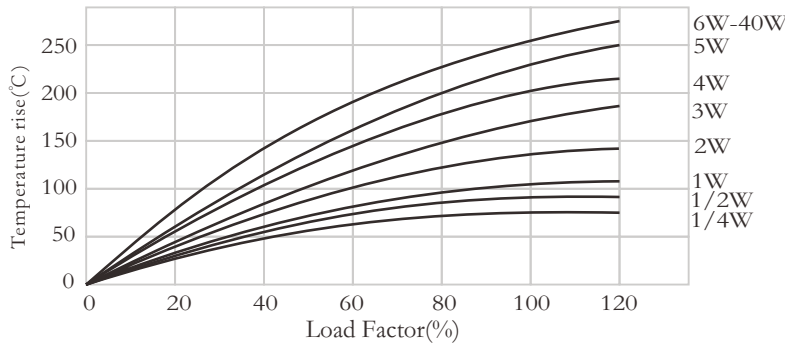
(3)Tolerance: J=±5%

(4)Resistance Value:R100=0.1R、1R00=1Ω、10R0=10Ω、100R0=100Ω

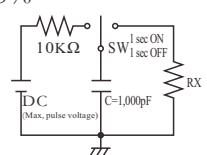
Derating Curve



Surface Temperature Rise



Performance

Test Items	Performance Requirements	Test Methods(JIS C 5201-1)
Resistance	Within specified tolerance	Measuring points are 10mm from the end cap
T.C.R.	Within specified T.C.R	Room temperature+100°C
Short time overload	± (2%+0.1Ω)	6.25 times the rated power for 5 seconds
Load life	± (5%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
Load life in humidity	± (5%+0.1Ω)	Rated voltage at 40°C ,95%RH for 1,000 hours
Moisture resistance	± (2%+0.1Ω)	40°C ,95%RH for 240 hours
Temperature cycle	± (2%+0.1Ω)	5 cycles for -25°C (30min);room temp.(30min) ~+85°C (30min)room temp.(30min)
Resistance to soldering heat	± (2%+0.1Ω)	260°C ± 5°C for 10 seconds 350°C ± 10°C for 3.5 seconds
Insulation resistance	> 1,000MΩ	500V insulation test 1min.
Pules withstanding voltage	± 5% 	The following discharge cycle is repeated in the circuit of the left fig. 1 sec ON,1 sec OFF, 10,000 cycles. Test voltage: DC 10KV