



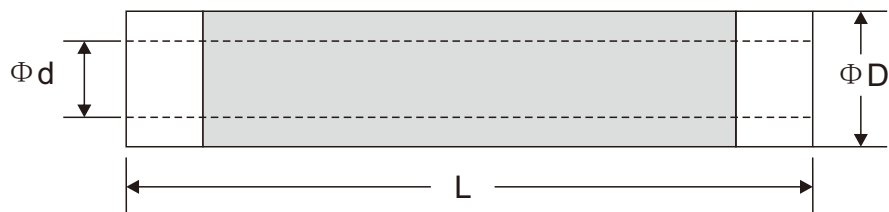
● Features

- I peak voltage up to 200 KV, power up to 500W
- II moment resistant to more current, peak energy greater
- III the working medium: air, insulating oil, SF6
- IV low inductance

● applications

- I X ray, laser, medical defibrillator.
- II radar, motor drive, broadcast transmitter.
- III buffer circuit, virtual load, energy research.
- IV the dynamic braking, power control, soft start / current limiter.
- VI RF amplifier, semiconductor technology, pulse voltage surge generator.

● Dimension



Type	Power (W)	Dimension(mm)			Resistance range (Ω)	Tolerance	Emergy (KJ)	peak voltage (KV)
		L±3.0	ΦD±2.0	d±3.0				
HVK-25	25W	200	20	10	10~470	K=±10% M=±20%	8	20
HVK-50	50W	200	20	15	10~680		10	30
HVK-75	75W	200	20	10	10~1K		15	50
HVK-100	100W	200	20	10	10~1.5K		30	75
		400	20	10				
HVK-200	200W	250	25	15	10~25K		50	100
		200	30	20				
HVK-300	300W	200	30	20	10~3K		80	200
		250	25	15				
HVK-400	400W	250	25	15	10~4K		100	300
		400	30	20				
HVK-500	500W	400	30	20	10~5K		150	400

The above table is for reference only, we can provide the products of different sizes according to customer's special requirements, please contact our engineers kwx@kwxcom.com.

● Ordering Information

Example

HVK	100W	100R0	K
(1)	(2)	(3)	(4)
Type	Rated power	Resistance	Tolerance

(1) Type: HVK Resistor

(2) Rated power: 20W, 50W, 100W, ..., 5000W

(3) Resistance: R100=0.1Ω, 1R00=1Ω, 10R0=10Ω, 10K00=1KΩ, 1M00=1MΩ

(4) Tolerance: K=±10%, M=±20%

● Performance

Item	Characteristic value
Volumetric heat	2.5J/cm ³ °C
Maximum operating temperature	250°C
Temperature coefficient	+500~±1500ppm/°C
Withstand voltage(1.2/50μs)	0.5kV/cm.
Rate of change of resistance when current is applied (rated time of 500h)	±10%
Short-time overloading (10 times *5sec)	±2 (Max)
Short-time injection capacity	70J/cm ³
bulk specific gravity	2.0~2.4
Specific heat	670J/(kg. °C)
Thermal expansion coefficient	3~5x10 ⁻⁶ (/°C)
Inductance	0.4 μH max