

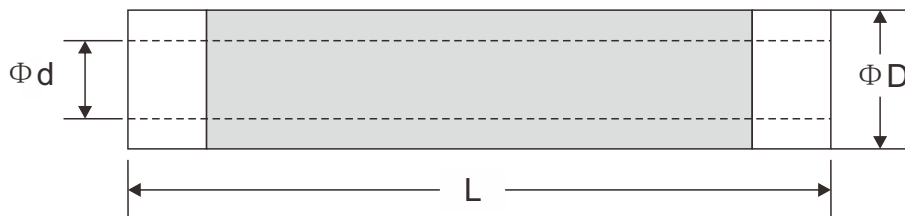
● Features

- 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 | L±3.0 | | | | |
| HVK-25 | 25W | 200 | 20 | 10 | 10~470 | ±10% | 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.

● Electrical Characteristics

| Type | Power(W) | Temperature coefficient (PPM/°C) | Resistivity | Specific heat | Inductance | Density | Max. operating temperature |
|------|----------|----------------------------------|-------------|------------------------|------------|-----------------------|----------------------------|
| HVK | 25—500 | -500—-1500 | 5—80Ω·cm | 2J/cm ³ ·°C | 0.4μHmax | 2.25g/cm ³ | 220°C |

● 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%