



# Ultra High Voltage Resistors

The content of this specification may change without notification 11/12/08



## HVP Series - Up to 5 Gig ohm, 250 Watt and 300 KV DC

Custom solutions are available..



### HOW TO ORDER

**HVP 100 7507 F B**

**Buck Packing**

**Resistance Tolerance**

F = ± 1% J = ± 5%

G = ± 2% K = ± 10%

**Resistance**

1% = 4 Digits

2%, 5%, 10% = 3 Digits

**Rated Power (W)**

5	10	25	50
100	150	200	250

**HVP Series**

Power Type High Voltage

### FEATURES

- Low temperature coefficient
- Wide range of resistance values
- Ultra high stability
- Excellent load life

### APPLICATIONS

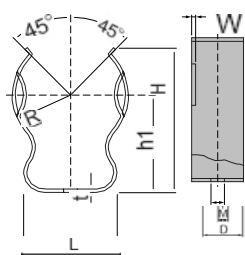
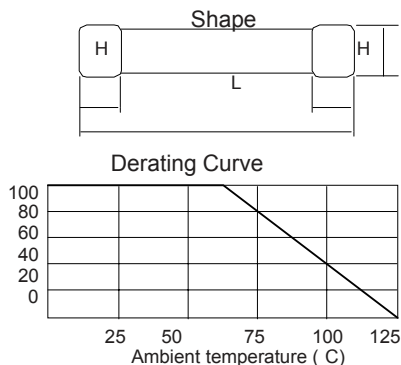
Widely used in electron microscopes, X-ray apparatuses, electric precipitators, and many other high voltage equipments.

### CHARACTERISTICS

Item	Characteristics	Test method
Operating temperature range	-25°C~+125°C	
Temperature coefficient	-300~+600ppm/°C	The test date is based on a temperature difference of 100 C (reference temperature, 25 C ; measurement temperature, 125 C
Short-time overload	± 2.5%	Immersed in oil at 75 C ; rated voltage 2.5applied for 5 sec
Load life	± 5%	Immersed in oil at 75 C ; rated voltage applied for 1,000hr

### ELECTRICAL SPECIFICATIONS

Type	Range of resistance values		Rated Power (W)	Max. working voltage DC (kV)	Impulse voltage (kV) 1.2X50 μ sec	Dimensions (mm)			Center tap	Resistance tolerance (%)	Holder Type		
	Min. (MΩ)	Max. (MΩ)				L	D	H					
HVP5	0.05	2000	5	30	40	100	2	19	0.5	10	2	1 (F) 2 (G) 5 (J) 10(K)	H2
HVP10	0.05	5000	10	60	80	200	2	23	0.5	15	M4		H3
HVP25	0.05	5000	25	90	120	280	2	30	0.5	20			M8
HVP50	0.05	5000	50	120	160	370	2	46	0.5	20	M8		
HVP100	0.05	5000	100	150	200	470	2	46	0.5	25			M8
HVP150	0.1	5000	150	200		600	3	46	0.5	25	M8		
HVP200	0.1	5000	200	250		800	3	54	0.5	32		M8	H6
HVP250	0.1	5000	250	300		1000	5	54	0.5	32	M8		



Holder Type	Dimensions (mm)							
	R	D	L	H	h1	M	t	W
H2	9	10	16	25	15	4.2	0.8	1.5 0.5
H3	11	15	18	32	21	4.2	1.0	1.5 0.5
H4	14.5	18	24	39	26	6.5	1.0	1.5 1
H5	22.5	20	36	60	38	6.5	1.5	2 1
H6	26.5	25	45	70	47	6.5	1.5	2 1