

# HVP TYPE

## Power Type High Voltage Resistors



The HVP type resistors are widely used in electron microscopes, X-ray apparatuses, electric precipitators, and many other high voltage equipments.

### FEATURES

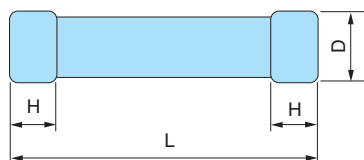
- Usable at 100% of rated power.
- Small temperature coefficient.
- A wide range of resistance values.
- Long load life and high resistance to changes in the pulse voltage.
- Maintains excellent performance against the adverse effect of insulating oil.

### 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 50°C (reference temperature, 25°C ; measurement temperature, 75°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.

### PRODUCTION DATA

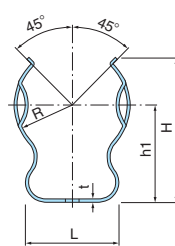
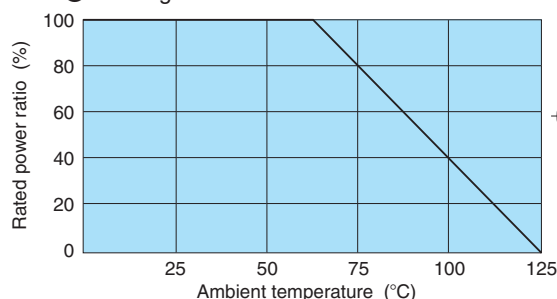
#### ● Shape



Type	Range of resistance values		Rated power (W)	Max. working voltage DC (kV)	Impulse voltage (kV) 1.2×50μsec	Dimensions (mm)			Center tap	Resistance tolerance (%)	Holder Type
	Min. (MΩ)	Max. (MΩ)				L	D	H			
SR30HVP	0.05	2000	5	30	40	100±2	19±0.5	10	φ2	±1 (F) ±2 (G) ±5 (J) ±10(K)	H2
SR60HVP	0.05	5000	10	60	80	200±2	23±0.5	15	M4		H3
SR90HVP	0.05	5000	25	90	120	280±2	30±0.5	20	M8		H4
SR120HVP	0.05	5000	50	120	160	370±2	46±0.5	20			H5
SR150HVP	0.05	5000	100	150	200	470±2	46±0.5	25			H6
SR200HVP	0.1	5000	150	200	250	600±3	46±0.5	25			
SR250HVP	0.1	5000	200	250	250	800±3	54±0.5	32			
SR300HVP	0.1	5000	250	300	300	1000±5	54±0.5	32			

NOTICE: ※Consult your local dealer for the availability of resistors with resistance values which are outside the range given above and with tolerances other than above.

#### ● Derating Curve



Holder Type	Dimensions (mm)							
	R	D	L	H	h <sub>1</sub>	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