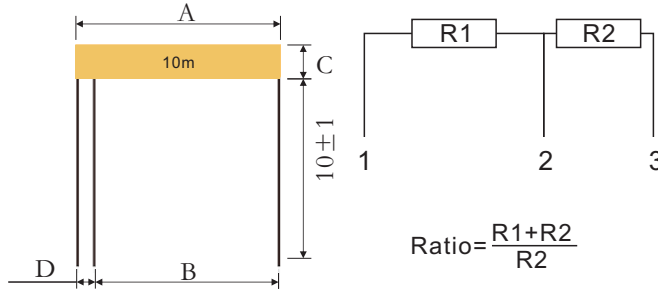


## Features

- I Low cost, flat style high voltage divider resistors (thick film, non-inductive design).
- II High quality 96% ceramic plates.
- III HVT series resistors are 3-terminal flat style voltage dividers, the ratio is  $(R1+R2) / R2$ .  
(custom design available, such as: 1000:1,100:1 etc.)
- IV Voltage coefficient: 0.3PPM/V.
- V Relative TCR: 50PPM/°C, 15PPM/°C on request).

## Dimensions, Applications And Ratings



Type	Power(w)	Electric Voltage(KV)	Resistance Range(MΩ)	Dimensions(mm/inch)			
				A ± 0.40/ ± 0.016	B ± 0.40/ ± 0.016	C ± 0.40/ ± 0.016	D ± 0.40/ ± 0.016
HVP5	0.3	5	100	25.40/1.00	18.00/0.709	7.62/0.30	5.08/0.20
HVP7	0.5	7	100	25.40/1.00	18.00/0.709	12.70/0.50	5.08/0.20
HVP11	1.0	10	100	38.10/1.50	28.00/1.102	12.70/0.50	5.08/0.20
HVP12	1.2	12	200	52.00/2.047	33.00/1.299	12.70/0.50	15.24/0.60
HVP16	1.5	15	200	52.00/2.047	42.00/1.654	18.00/0.709	5.08/0.20
HVP21	2.0	20	200	52.00/2.047	42.00/1.654	25.40/1.00	5.08/0.20

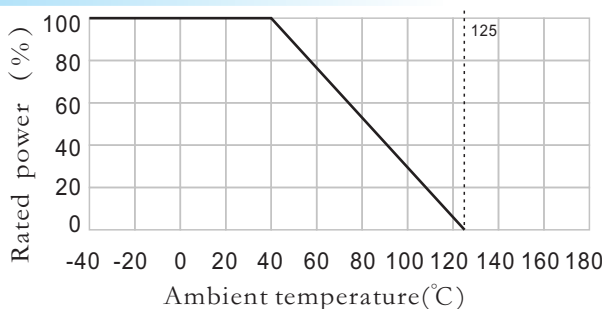
## Ordering Information

Example:

HVP	03	J	50	C3	10M/100K
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Power Rating	Resistance Tolerance	Electric Voltage(KV)	T.C.R(PPM/°C)	Resistance

- (1)Type: HVP SERIES
- (2)Power Rating: 03=0.3W,05=0.5W,10=1W,12=1.2W,15=1.5W,20=2.0W
- (3)Tolerance: F= ± 1%,G= ± 2%,J= ± 5%
- (4)Electric Voltage:50=5KW,70=7KW,100=10KW,120=12KW,150=15KW,200=20KW
- (5)T.C.R:C3=25PPM/°C,C5=50PPM/°C
- (6)Resistance:10M/100K

## Derating Curve



## ● Reference Standards

JISC 5201-1

## ● Performance

Test Items	Test Methods(JIS C 5201-1)
Absolute TOL	$\pm 1.0\%$ .
Overload	1.5 times rated voltage, last 5s, $\Delta R \leq \pm 0.5\%R_0$ .
Absolute TCR	$\pm 100\text{PPM}/^\circ\text{C}$ ( $25^\circ\text{C} \sim 85^\circ\text{C}$ ), Other TCR values on request.
Relative TCR	$50\text{PPM}/^\circ\text{C}$ ( $15\text{PPM}/^\circ\text{C}$ on request).
Load life	1000 hours at rated voltage, $\Delta R \leq \pm 0.4\%R$ .
Moisture resistance	MIL-Std-202,method 106, $\Delta R \leq \pm 0.5\%R_0$ .
Operating temp.	$-55^\circ\text{C} \sim 125^\circ\text{C}$
Surface coating and terminal connection	$\Phi 0.6\text{mm}$ tin plated copper wire with Silicone conformal coating, or standard tin plated copper insertion terminal with single side printed silicone.