

【High Voltage Resistor-FHV Series】



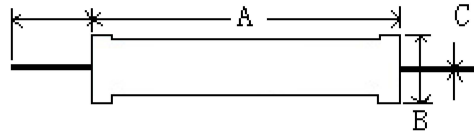
■ Features

- Thick film & Non-inductive design, ROHS compliant
- High voltage and pulse loading
- Extremely low TCR down to 25PPM with high power
- High power rating up to 20 Watts at 125 degree.

■ Applications

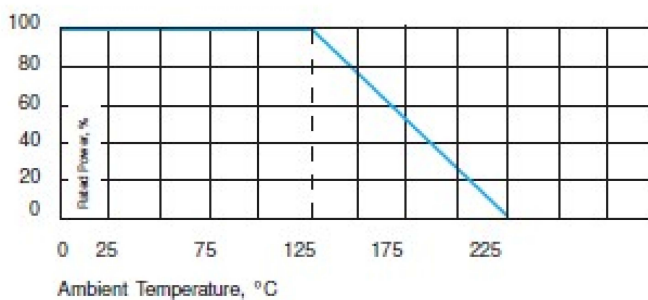
- Strong random pulse energy discharge resistors
- Frequency conversion
- motor braking resistors, etc

■ Construction



Type	Power 25°C Wattage (W)	Power 75°C Wattage (W)	Power 125°C Wattage (W)	Max. Oper ator Vol. (KV)	Overload Max. Vol. (KV)	Dimensions in millimeters (inches)		
						A (±0.50/±0.02)	B (±0.50/±0.02)	C (±0.50/±0.02)
FHV03	2.5	2.5	1.5	3.0	4.8	20.2/0.795	8.20/0.323	1.00/0.040
FHV04	3.7	3.7	2.5	4.0	6.4	26.9/1.059	8.20/0.323	1.00/0.040
FHV05	4.5	4.5	3.0	5.00	8.0	33.0/1.3	8.20/0.323	1.00/0.040
FHV06	5.2	5.2	3.5	8.0	12.8	9.5/1.555	8.20/0.323	1.00/0.040
FHV08	7.5	7.5	5.00	10.0	16.0	52.1/2.051	8.20/0.323	1.00/0.040
FHV11	11	11	7.5	15.0	24.0	77.70/3.059	8.20/0.323	1.00/0.040
FHV12	12	12	8.0	20.0	32.0	102.9/4.051	8.20/0.323	1.00/0.040
FHV15	15	15	10.0	25.0	40.0	123.70/4.870	8.20/0.323	1.00/0.040
FHV30	30	30	20.0	45.0	--	155.00/6.11	16.0/0.63	--/--
FHV20	20	20	15.0	30.0	48.0	153.70/6.051	8.20/0.323	1.00/0.040

■ Derating curve



■ Part Numbering

TYPE	RESISTANCE	TOL	TCR
FHV15	60M	1%	25PPM

■ Technical and standard electrical specifications

Resistance ranges: 200 Ω ~ 1G Ω

Resistance Tolerance: $\pm 0.5\%$ ~ $\pm 10\%$

Temperature Coefficient: $\pm 25\text{PPM}/^\circ\text{C}$ to $\pm 80\text{PPM}/^\circ\text{C}$ (25 $^\circ\text{C}$ ~ 105 $^\circ\text{C}$) On special request

Power Rating: 2.5W to 20W at 70 $^\circ\text{C}$

Maximum operating temperature: 225 $^\circ\text{C}$

Lead material: O.F.H.C. Copper tin plated

■ Reference Standards: IEC60115-1:2001(GB/T5729-2003)

MIL-STD-202/MIL-R-39009D

■ Storage Temperature: 25 $\pm 3^\circ\text{C}$; Humidity < 80%RH