

Metal Oxide Film High Voltage Resistors



Features:

- For oil bath or open air operation
- High temperature silicone protected
- Shock and moisture resistant

Variations:

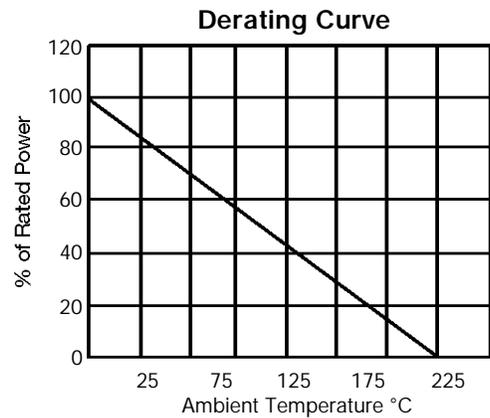
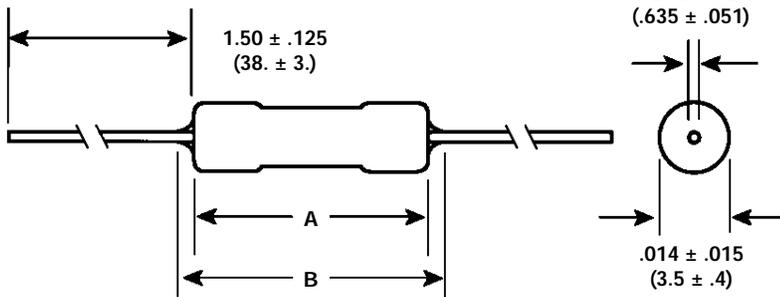
- Special preconditioning (Power aging, temp. cycling, etc.)
- Non-helixed resistors can be supplied for critical high frequency applications (Non-inductive)
- Matched Sets Available
- Special TC on Request

General Specifications:

Dielectric strength: 750 VDC all styles
 Insulation resistance: 10,000 Megohm minimum
 Terminal strength: 5 lb. pull test for all styles
 Element: High temperature fired cermet film
 Core: High purity 96% alumina
 Coating: Flameproof silicone
 Termination: 60/40 solder-coated copper
 Solderability: Continuous satisfactory coverage when tested in accordance with MIL-R-10509

Environmental Performance:

Test	Max R (Typical test Lots)
Short Time Overload	< ± 0.20%
Moisture Resistance	< ± 0.50%
Shock	< ± 0.20%
Vibration	< ± 0.20%
Temperature Cycling	< ± 0.50%
Load Life	< ± 1.00%
Dielectric Withstanding Voltage	< ± 0.15%
Effect of Soldering	< ± 0.10%



Configuration and Electrical Specifications

RGA Type	Wattage Rating*			Voltage Rating*	Resistance (Ohms)	A ± .020	B (Max)
	25°	70°	125°				
RSFHV .25	0.5	0.36	0.25	750 V	1K - 100M	.290	.360
RSFHV .375	1.0	0.72	0.50	1.5 KV	1K - 1.0G	.420	.470
RSFHV .50	1.2	0.86	0.60	2.0 KV	1K - 2.0G	.540	.600
RSFHV .75	2.0	1.44	1.00	3.0 KV	1K - 3.0G	.790	.850
RSFHV 1.00	2.5	1.80	1.25	4.0 KV	2K - 5.0G	1.04	1.10
RSFHV 1.25	3.0	2.16	1.50	5.0 KV	2K - 10.G	1.29	1.35
RSFHV 1.50	4.0	2.88	2.00	6.0 KV	2K - 10.G	1.54	1.60
RSFHV 2.00	5.0	3.60	2.50	8.0 KV	2K - 10.G	2.04	2.10

*Voltage rating shown is the rated DC continuous working voltage or the sine-wave RMS absolute maximum voltage at commercial line frequency. For DC applications the maximum permissible voltage is 1.5 times the value shown for low repetition short-time overload or conditions of 10 seconds or less duration. Typical voltage coefficient of resistance is -1 to -2 ppm/V measured at full rated voltage and 10% rated voltage.

Part Numbering System

