HIGH VOLTAGE
METAL OXIDE RESISTORS

FEATURES:

For oil bath or open operation
High temperature silicone protected
Shock & moisture resistant

VARIATIONS:

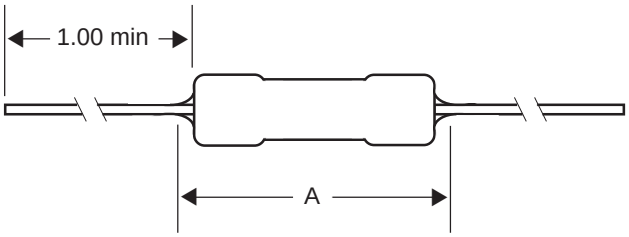
Special preconditioning (Power aging, temp. cycling, etc.)
Nonhelixed resistors can be supplied for critical high frequency applications (Noninductive)
Matched sets available
Special TC on request

GENERAL SPECIFICATIONS:

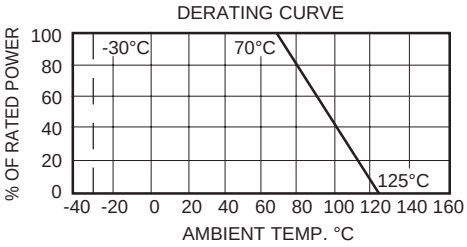
Dielectric strength:	750 VDC all styles
Insulation resistance:	10,000 Megohm minimum
Terminal strength:	5lb. pull test for all styles
Element:	High temperature fired cermet film
Core:	High purity 96% alumina
Coating:	Flameproof silicone
Termination:	60/40 solder-coated copper
Solderability:	Continuous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

ENVIRONMENTAL PERFORMANCE:

Test	Max ΔR (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%



DERATING:



STANDARD CONFIGURATIONS AND ELECTRICAL SPECIFICATIONS:

TEPRO TYPE	WATTAGE RATING * 25°	70°	125°	VOLTAGE RATING *	RESISTANCE (Ohms)	A ±.020	B ±.002	C ±.020
TVH .25	0.5	0.36	0.25	1.0 KV	1K - 100M	.354	.025	.138
TVH .375	1.0	0.72	0.50	2.0 KV	1K - 1.0G	.433	.032	.158
TVH .75	2.0	1.44	1.00	3.0 KV	1K - 3.0G	.591	.032	.236

* 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.