

## THICK FILM HIGH VOLTAGE RESISTORS

### FEATURES:

- Conformal epoxy coating
- Shock & moisture resistant
- High voltage stability
- Low inductance
- Operating temperature -55°C to 150°C

### VARIATIONS:

- Preconditioning available (Power aging, temp. cycling, etc.)
- Matched sets available

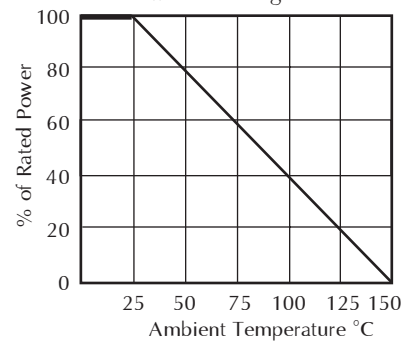
### GENERAL SPECIFICATIONS:

- Dielectric strength: 750VDC all styles
- Insulation resistance: 10,000 Megohm minimum
- Terminal strength: 5lb. pull test for all styles
- Solderability: Continuous satisfactory coverage when tested in accordance with MIL-R-10509
- Element: High temperature fired cermet film
- Substrate: High purity 96% alumina
- Coating: Flameproof epoxy
- Termination: Solder-coated copper, 60/40
- Tolerances: .25, .5, 1, 3, 5, 10%
- Temperature coefficient: 100ppm/°C
- Resistances: 1Ω to 1000 Megohms
- Voltage coefficient: ±5ppm/V



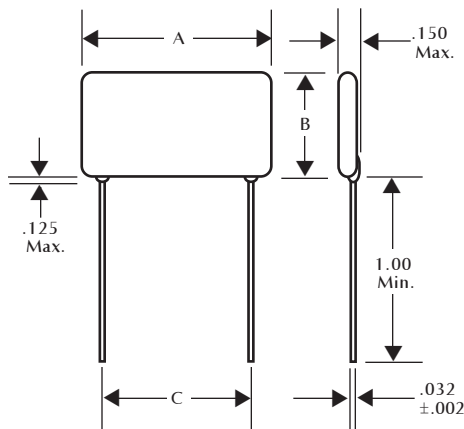
### DERATING:

Power Derating Curve



### STANDARD CONFIGURATIONS AND ELECTRICAL SPECIFICATIONS:

TEPRO TYPE	25°C POWER RATING WATTS	MAX. DC VOLTAGE	PHYSICAL DIMENSIONS		
			A ±.031	B ±.031	C ±.031
THV-1	1	10KV	1.03	.28	0.90
THV-2	2	10KV	1.03	.53	0.90
THVB-2	2	20KV	2.03	.28	1.90
THV-3	3	15KV	1.53	.53	1.40
THV-4	4	20KV	2.03	.53	1.90
THV-5	5	25KV	2.53	.53	2.40
THV-10	10	25KV	2.53	1.28	2.40



### HOW TO ORDER:

The part number is a combination of Type, Resistance value, and Tolerance.

Example: THV - 1 - 10 MegΩ - 5%

