TYPE "THVD"

THICK FILM HIGH VOLTAGE DIVIDER NETWORKS

FEATURES:

Conformal Epoxy Coating

Shock & Moisture Resistant

High Voltage Stability

Low Inductance

Operating Temperature -55°C to 150°C

Resistance Ratio 1:1 to 2000:1

Ratio Tolerances .25% to 2%

Temperature Coefficient Tracking 25ppm

VARIATIONS:

Preconditioning Available (Power aging, temp. cycling, etc.)

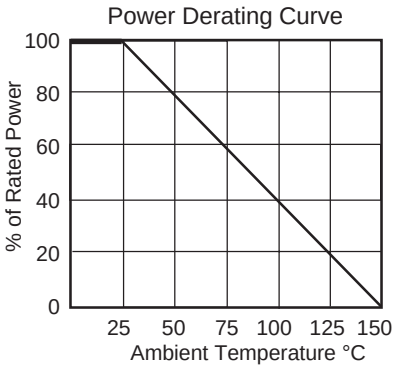
Custom Ratios Available

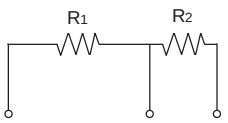
Lead Configurations

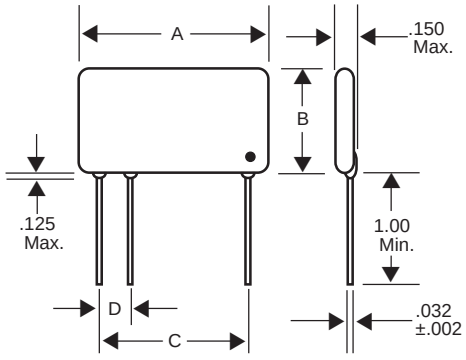
GENERAL SPECIFICATIONS:

Dielectric strength:	750VDC all styles
Insulation resistance:	10,000 Megohm minimum
Terminal strength:	5lb. pull test
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:







TEPRO TYPE	25°C POWER RATING (WATTS)	MAX. DC VOLTAGE	A ±.062	B ± .062	C ± .031	D ±.031
THVD-2	3	10KV	1.03	1.03	0.90	.20
THVD-3	4	15KV	1.53	1.03	1.40	.20
THVD-5	7	20KV	2.03	1.03	1.80	.20

HOW TO ORDER:

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

Example: THVD-2 - 10M - 3% - 10/1 - 1%

- Tepro Type
- Resistance value of R1 (megohms)
- Resistance Tolerance (.25, .5, 1, 3, 5, 10)
- Divider Ratio (R1/R2)
- Ratio Tolerance (.5, 1, 2)