![POWERTRON A VPG Brand logo]

FEATURES
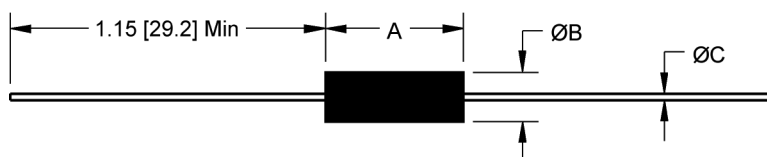
- Resistances from 1kOhms to 700MOhms
- Power Rating 0.7 to 15Watts
- Resistance Tolerances to ±0.5%
- Low TCR: ± 100ppm/K Standard
- Voltage Ratings to 48KV
- Non-Inductive Design
- SMD (MELF) upon request

HTE 1.5MΩ 2%

Pb-free Available

RoHS* COMPLIANT

TABLE 1—SPECIFICATIONS

Type	Wattage Rating (Watts)	Dimensions (special dimensions possible)			Maximum Working Voltage (KV DCrms))
		A ±0.062" [±1.6mm]	B ±0.059" [±1.5mm]	C ±0.002" [±0.05mm]	
HTE15	0.7	0.590 [15.0]	0.197 [5.0]	0.032 [0.8]	2.5
HTE19	1	0.748 [19.0]	0.197 [5.0]	0.032 [0.8]	3.5
HTE24	2	0.944 [24.0]	0.314 [8.0]	0.040 [1.0]	5.5
HTE25	1.2	1.00 [25.4]	0.197 [5.0]	0.032 [0.8]	5.5
HTE39	3	1.535 [39.0]	0.314 [8.0]	0.040 [1.0]	10
HTE52	5	2.05 [52.0]	0.314 [8.0]	0.040 [1.0]	15
HTE76	7.5	2.99 [76.0]	0.354 [9.0]	0.040 [1.0]	22.5
HTE102	10	4.02 [102]	0.354 [9.0]	0.040 [1.0]	32
HTE127	12	5.00 [127]	0.354 [9.0]	0.040 [1.0]	40
HTE152	15	5.98 [152]	0.354 [9.0]	0.040 [1.0]	48

1.15 [29.2] Min — A — ØB — ØC

ORDERING INFORMATION

Part Number - Resistance - Tolerance - TCR

HTE39 10MOhm 1%

TABLE 1—SPECIFICATIONS (continued)

Specification	Value
Resistance Range	100kOhms to 700MOhms 1KOhm to 100kOhms upon request
Tolerances	±0.5% to ±10%
Temperature Coefficient	±100ppm/K : -25°C to +125°C (Standard) ±20 to ±80 ppm/K (On Request)
Temperature Range	-55°C to +195°C
Insulation Resistance	>10000 MOhms
Encapsulation	Epoxy Conformal Coating / silicon or glass upon request
Environmental Performance (MIL-STD 202)	ΔR
Load Life	±0.7%
Moisture Resistance	±0.4%
Thermal Shock	±0.25%
5X Overload (5s)	±0.5%

FIGURE 3—DERATING

Power Derating Curve

For technical questions,
contact powertron@vpgsensors.com
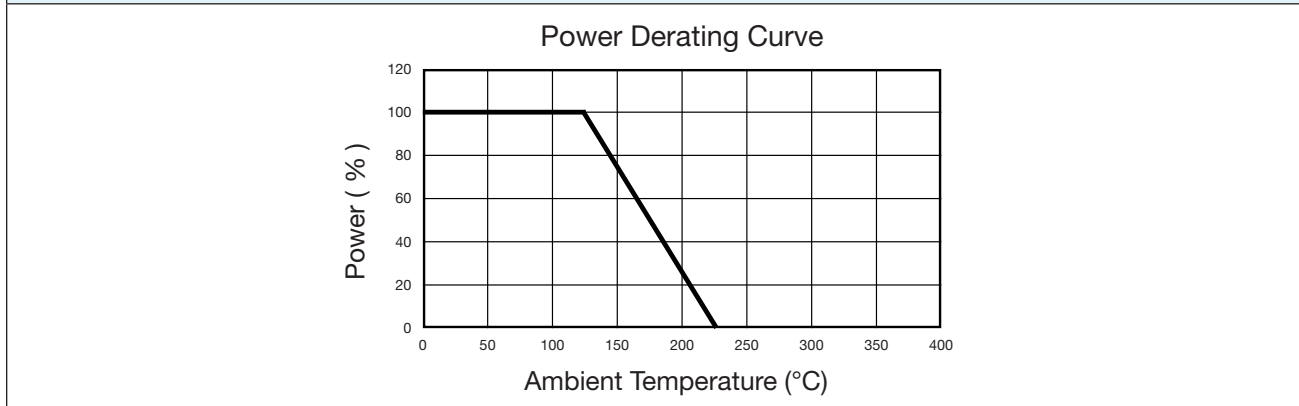
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