

HTE Series

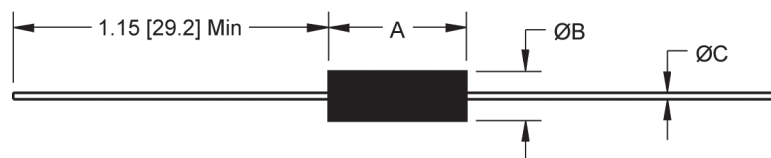
High Voltage / Thick Film Resistors



- Resistances from 1kOhms to 100MOhms
- Power Rating 0.7 to 15Watts
- Resistance Tolerances to $\pm 1\%$
- Low TCR: $\pm 100\text{ppm}/^\circ\text{C}$ Standard
- Voltage Ratings to 48KV
- Non-Inductive Design
- SMD upon request

SPECIFICATIONS

Type	Power Rating (Watts)	Maximum Working Voltage (KVAC RMS)	Resistance Range (Ohm)	Dimensions (special dimensions possible)			
				A $\pm 0.062"$ [$\pm 1.6\text{mm}$]	B $\pm 0.031"$ [$\pm 0.8\text{mm}$]	C $\pm 0.002"$ [$\pm 0.05\text{mm}$]	Mass grams
HTE15	0.7	2.5	1K - 100M	0.590 [15.0]	0.197 [5.0]	0.032 [0.8]	2.0
HTE19	1	3.5	1K - 100M	0.748 [19.0]	0.197 [5.0]	0.032 [0.8]	2.5
HTE24	2	5.5	1K - 100M	0.944 [24.0]	0.314 [8.0]	0.040 [1.0]	5.0
HTE25	1.2	5.5	1K - 100M	1.00 [25.4]	0.197 [5.0]	0.032 [0.8]	5.0
HTE39	3	10	1K - 100M	1.535 [39.0]	0.314 [8.0]	0.040 [1.0]	7.5
HTE52	5	15	1K - 100M	2.05 [52.0]	0.314 [8.0]	0.040 [1.0]	11.0
HTE76	7.5	22.5	2K - 100M	2.99 [76.0]	0.354 [9.0]	0.040 [1.0]	15.0
HTE102	10	32	2K - 100M	4.02 [102]	0.354 [9.0]	0.040 [1.0]	25.0
HTE127	12	40	2K - 100M	5.00 [127]	0.354 [9.0]	0.040 [1.0]	30.0
HTE152	15	48	2K - 100M	5.98 [152]	0.354 [9.0]	0.040 [1.0]	35.0



Ordering Information

Part Type - Resistance - Tolerance - TCR (If not standard)
 Example: HTE39 10MOhm 1%

HTE Series

High Voltage / Thick Film Resistors



SPECIFICATIONS (continued)

Specification	Value
Resistance Range	1kOhms to 100MOhms
Tolerances	±1% to ±10%
Temperature Coefficient	±100ppm/°C : -25°C to +125°C (Standard) ±20 to ±150 ppm/°C (On Request)
Temperature Range	-55°C to +195°C
Insulation Resistance	>10000 MOhms
Encapsulation	Epoxy Conformal Coating UL94-V0 / 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%

Power Derating Curve

