



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# HTE Series

High Voltage / Thick Film Resistors

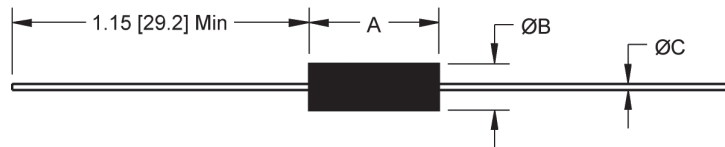


- Resistances from 1kOhms to 100MOhms
- Power Rating 0.7 to 15Watts
- Resistance Tolerances to  $\pm 1\%$
- Low TCR:  $\pm 100\text{ppm}/^\circ\text{C}$  Standard
- Voltage Ratings to 48KV
- Non-Inductive Design
- SMD upon request



## SPECIFICATIONS

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



## 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/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)	$\Delta R$
Load Life	±0.7%
Moisture Resistance	±0.4%
Thermal Shock	±0.25%
5X Overload ( 5s )	±0.5%

Power Derating Curve

