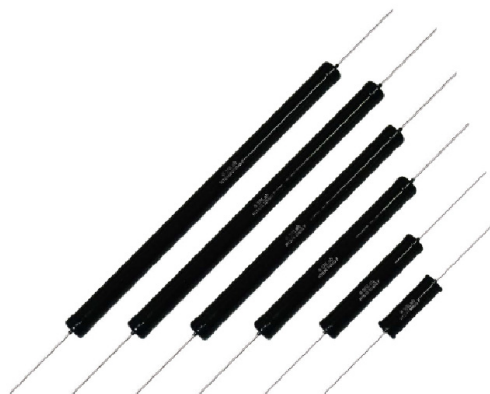


## HIGH VOLTAGE POWER RESISTORS

## HTE

## Features

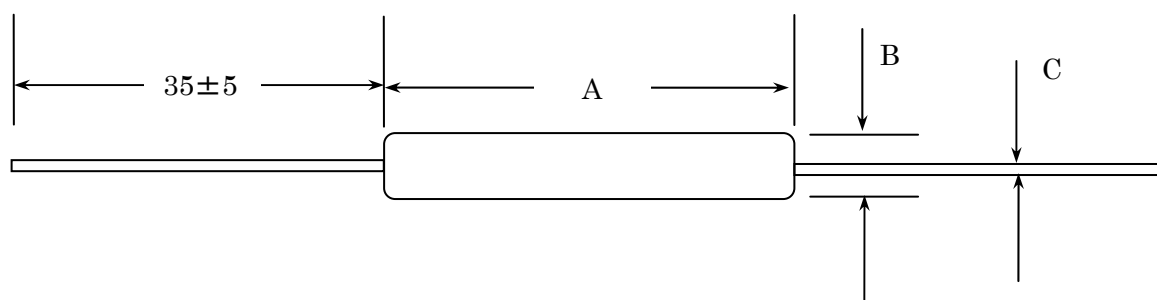
HTE series to meet general set of requirements high voltage and high energy at reasonable price. HTE presents a wide range of resistance value and tolerance.



## Applications

Automated Test (ATE), Medical (Imaging), Ion Source, Chromatography (Gas), Medical (PET, CT), Medical (Radiation Therapy), Military, Radar, Plasmas, Lasers, Measurements (High Voltage), Capacitor Charging, Microwave (Klystron), Medical (Blood Analyzers), Corona Generators, Multichannel Analyzers, Ozone Generating, Detectors, Nuclear Instrumentation, Electron Beam Testing, Surface Analysis, CRT, X-Ray, MRI, Electrophoresis, Image Intensifier, Surface Analysis, Piezo. Focusing (Poling), High Voltage Dividers, Stress Testing, Agricultural Sensors

## Dimensions



Model	Power (W)	**MAX. Operating Voltage (kV)	Resistance (ohm)		Dimensions in millimeters (inches)			SMD type
			Min.	Max.	A	B	C	
HTE15	0.7	2.5	1K	100M	15+/-1.5 (0.590)	5.0+/-1.5 (0.197)	0.8	N/A
HTE19	1.0	3.5	1K	100M	19+/-1.5 (0.748)	5.0+/-1.5 (0.197)	0.8	N/A
HTE25	1.2	5.5	1K	100M	25.4+/-1.5 (1.0)	5.0+/-1.5 (0.197)	0.8	N/A
HTE24	2.0	5.5	1K	100M	24.0+/-1.5 (0.944)	8.0+/-1.0 (0.314)	1.0	available
HTE39	3.0	10.0	1K	100M	39.0+/-1.5 (1.50)	8.0+/-1.0 (0.314)	1.0	available
HTE52	5.0	15.0	1K	100M	52.0+/-1.5 (2.04)	8.0+/-1.0 (0.314)	1.0	available
HTE76	7.5	22.5	2K	100M	76.0+/-1.5 (2.54)	9.0+/-1.0 (0.354)	1.0	available
HTE102	10.0	32.0	2K	100M	102.0+/-1.5 (4.01)	9.0+/-1.0 (0.354)	1.0	N/A
HTE127	12.0	40.0	2K	100M	127.0+/-1.5 (5.00)	9.0+/-1.0 (0.354)	1.0	N/A
HTE152	15.0	48.0	2K	100M	152.0+/-1.5 (5.98)	9.0+/-1.0 (0.354)	1.0	N/A

\*Custom dimension & specification available upon request

\*Above mentioned Electrical specification applicable for 0.1Mohm ~ 100Mohm only

\*Voltage restricted by the rated power

\*Vdc, Vrms standard. And at 1.2/500 impuls; std. Voltage x 1.5times available

HIGH VOLTAGE POWER RESISTORS

HTE

Ordering Information

Type HTE15	TCR A(100ppm)	Resistance 1K0	Tolerance D(0.5%)	Code Z00
HTE19	*B(80ppm)	1K0-100M	F (1%)	
HTE25	*80ppm: please call our factory		G (2%)	
HTE24			J (5%)	
HTE39			K (10%)	
HTE52			*B (0.1%)	
HTE76			*C (0.25%)	
HTE102			*0.1% & 0.25%: please call our factory	
HTE127				

	Specifications & Conditions
Resistance Tolerance	0.5% 1% 2% 5% 10% (0.1%, 0.25% special order available upon request, please call our factory)
Endurable Harsh to Environment (Temperature )	-55°C to +195°C , Max. broken temperature on resistive of parts is 600°C (for 70min.)
Temperature Coefficient of Resistance	100ppm/°C standard referenced to 25°C, from -25°C to +125°C. ( 80ppm/°C and special TCR upon request )
Overload/Voltage	5 times rated power with applied voltage not to exceed 1.5times maximum continuous operating voltage for 5 seconds Δ R 0.5% max.
Thermal Shock	Mil-Std-202, Method- 107, Cond. C, Δ R 0.25% max.
Load Life	1.000 hours at rated power Δ R 0.7% max.
Moisture Resistance	Mil-Std-202, Method 106, Δ R 0.4% max.
Lead Material	Tinned plated copper solderable semi-flexible axial wire.
Insulation Resistance	10,000MΩ Min.
Termination Cap of Material	Tinned Cap.
Encapsulation	Epoxy conformal.
Resistive Material	Thick Film.
Contact method between Resistives and termination Caps	Individual Conductive Pads . So called "NCR" Non-contact resistance.

HTE152

Specifications

Derating

