MTE Cylindrical High Voltage Resistors, Thicker film, Non-Inductive

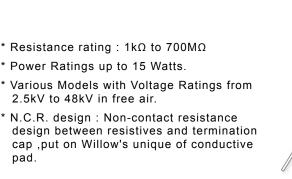


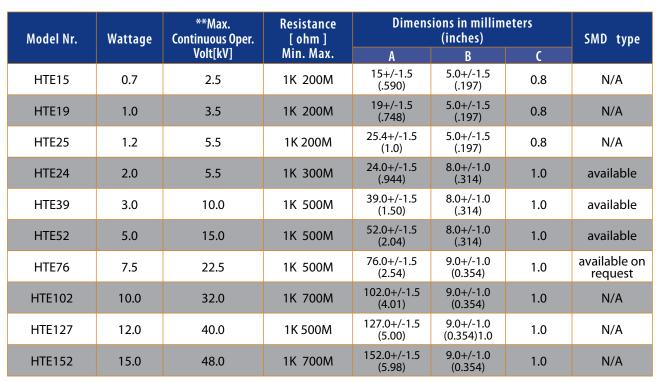
High Voltage High Frequency Resistors for various High Voltage Applications

Willow offers HTE - series to meet general set of requirements, high voltages at reasonable prices. HTE is in epoxy coating which is very good humidity protection, and a wide range of tolerances,TCR

available.







Custom dimension & specification available upon request

2.5kV to 48kV in free air.

pad.

- Above mentioned Electrical specification applicable for $0.1M\Omega \sim 700M\Omega$ only
- Voltage restricted by the rated power
- Vdc, Vrms standard. And at 1.2/50μs impulse; std. Voltage x 1.5 times available

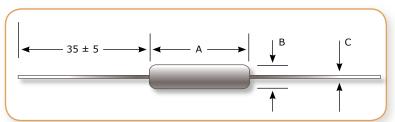
Specifications subject to change without notice

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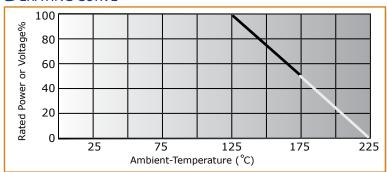
Cylindrical High Voltage Resistors, Thicker film, Non-Inductive



DIMENSIONS [mm]



DERATING CURVE



* Rated power , and voltage of $\,\%$

APPLICATION GUIDE; HTE SERIES

- Automated Test (ATE)
- Medical (Imaging)
- · Ion Source
- Chromatography (Gas)
- Medical (Radiation Therapy)
- Military , Radar ,Laser ,Plasma
- Measurements (High Voltage)
- * HV Capacitor Charging, Discharging
- Electric Power Transmission High Voltage
- Medical (Blood Analyzers)
- · Corona Generators
- · Multichannel Analyzers

- Ozone Generating
- Detectors
- · Nuclear Instrumentation
- · Electron Beam
- Pulse Generators
- Surface Analysis
- C T , MRI
- · Electrophoresis
- · Image Intensifier
- · Surface Analysis
- Piezo. Focusing (Poling)
- · High Voltage Dividers
- · Stress Testing
- Klystron, Magnetron, Microwave

S PECIFICATIONS

Resistance Tolerance:

1% 2% 5% 10% ,and 0.5%.. And (from $1k\Omega$ to $100M\Omega$; 0.1%, 0.25% special order available upon request, *but some parts unable to special tolerance)

Endurable Harsh to Environment (Temperature) :

-55°C to +195°C, Max. broken temperature on resistive of parts is 600? (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 ΔR 0.5% max.

Thermal Shock:

Mil-Std-202, Method- 107, Cond. C, ΔR 0.25% max.

Load Life:

1.000 hours at rated power ΔR 0.7% max.

Moisture Resistance:

Mil-Std-202, Method 106, ΔR 0.4% max.

Lead Material:

Tinned plated copper solsderable semiflexible axial wire.

Insulation Resistance:

10,000M Ω Min.

Termination Cap of Material:

Tinned Cap.

Encapsulation:

Epoxy conformal.

Resistive Material:

Thicker Film.

Contact method between Resistives and termination Caps:

Individual Conductive Pads . So,called "NCR" Non-contact resistance.

Specifications subject to change without notice