

Thicker Film Tubular type Non-Inductive Resistors for Ultra High Voltage, High Energy

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 UPDATE : 2021-10-15

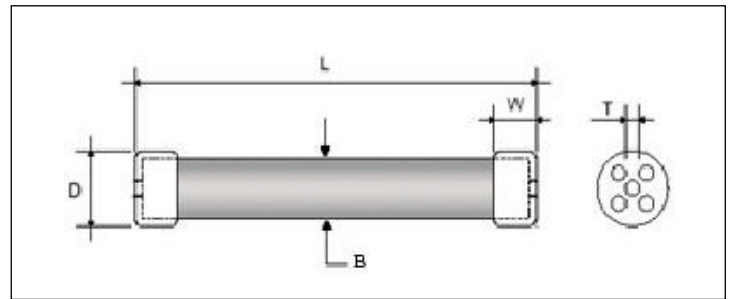


Ultra Voltage, High Frequency Pulse, R & R-C Tank, High Energy.

UT series to meet general set of requirements Ultra high voltage high energy at reasonable prices. And to be connection on M4, M6. Corona Ring & Cap std. A wide range of R-Value & tolerance, TCR available..

- * Power Rating Able to build up Mega Joules Energy System.
- * Various Models with Voltage Ratings upto 800kV in oil, 300kV at free air.

DIMENSIONS [mm]



Model Nr.	Wattage	Max. Cotinu-ous Oper. Volt[kV]**	Dimensions in millimeters					
			L	B	D	Dia on Corona Ring, 'RC' type	W	T
UT 35	35	30	110+/-1.5 (4.33)	32+/-1.5 (1.26)	33+/-0.5 (1.3)	45	18+/-0.5 (.71)	M6
UT 50	50	48	160+/-1.5 (6.3)	32+/-1.5 (1.26)	33+/-0.5 (1.3)	45	18+/-0.5 (.71)	M6
UT 70	70	65	210+/-1.5 (8.27)	32+/-1.5 (1.26)	33+/-0.5 (1.3)	45	18+/-0.5 (.71)	M6
UT 100	100	100	310+/-1.5 (12.2)	32+/-1.5 (1.26)	33+/-0.5 (1.3)	45	18+/-0.5 (.71)	M6
UT 150	150	100	310+/-1.5 (12.2)	42+/-1.5 (1.65)	45+/-1.0 (1.77)	59	21+/-0.5 (.83)	M6

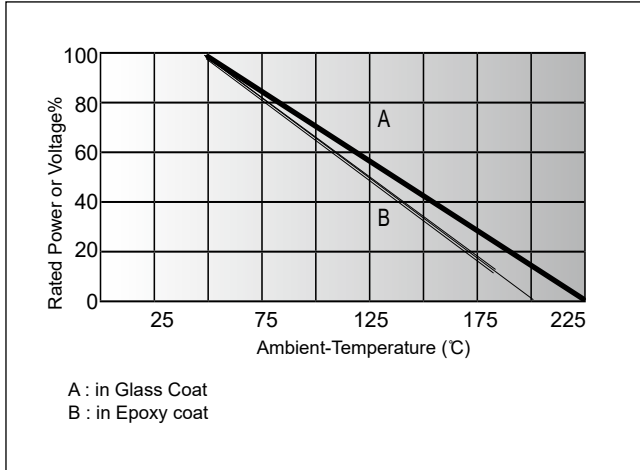
Cap style : ex) UT100 -nc ; normal cap type , UT100 -rc ; Corona Ring & Cap type

* Terohm available on request
 * Custom dimension, Terminations available
 * Glass coat std. , epoxy coat available
 * The Voltage Limited by Power
 * Electrical Specification for 20kΩ ~ 1000MΩ only
 ** Vdc , Vac

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DERATING CURVE



Model Nr.	Single Impulse Voltage 1.2/50µs [kV]	Std. R-value[Ω]
UT35	50	1K~1G
UT50	77	1K~1G
UT70	100	1K~1G
UT100	150	1K~1G
UT150	150	1K~1G

APPLICATION GUIDE ; UT SERIES

- 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
- Gamma Cameras
- Electron Beam Testing
- Surface Analysis
- CRT, X-Ray , MRI
- Electrophoresis
- Image Intensifier
- Surface Analysis
- Piezo. Focusing (Poling)
- High Voltage Dividers
- Stress Testing
- Agricultural Sensors
- Ion Beam
- Arc Furnace Damping
- High Voltage Snubbers
- Pulse Forming Networks
- Energy Research
- EMI
- Tube Arc Protection

SPECIFICATIONS

- Resistance Tolerance :**
1%,2%,5%
- Temperature Coefficient :**
Std. 100ppm/ °C, referenced to 25°C, from -15°C to +105°C, other TCR on requests.
- Overload :**
5times rated power with applied voltage not to exceed 1.5times Max. continuous operating voltage for 5 seconds, overload/overvoltage ΔR 0.50% max.
- Thermal Shock :**
Mil-Std-202, Method- 107, Cond. C, ΔR 0.50% max.
- Load Life :**
1.000 hours at rated power ΔR 1.0% typ.
- Moisture Resistance:**
Mil-Std-202, Method 106, ΔR 0.50%.
- Insulation Resistance :**
10,000Megohms Min.
- Termination Cap of Material :**
Aluminum Alloy , Bronz
M4 / M6 Cap, &Rug available
- Encapsulation :**
Epoxy /silicone confomal/ Glass /

cf.: The described specifications & dimensions subject to change without notice.