

UT ULTRA HIGH VOLTAGE RESISTOR

Features

- The UT series meets a general set of requirements for ultra high voltage and high energy applications at a low price.
- Connection on M4, M6. Corona Ring & Cap Srd.
- A wide range of resistances, tolerances and TCRs.
- Power rating able to build up mega joule energy systems.
- Models with voltage ratings up to 800KV in oil or free air.
- Can handle high frequency Pulses.
- Can handle high energy applications.



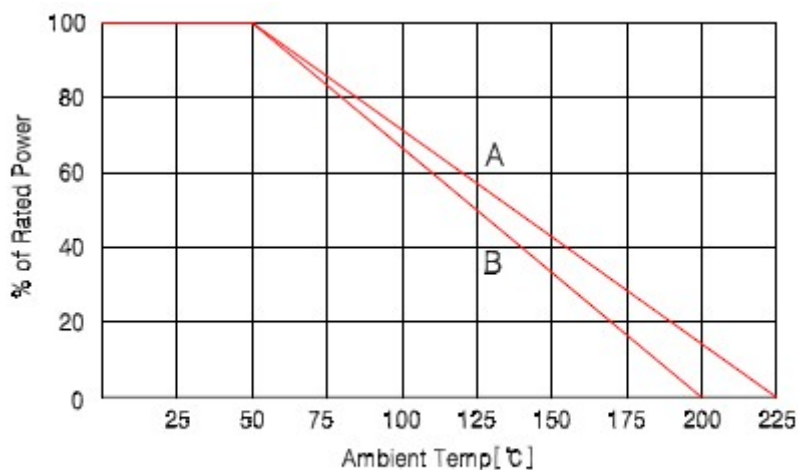
■ GENERAL SPECIFICATIONS

Model	Wattage [W]	Max. Continuous Oper. Volt[kW]	Single Impulse Voltage 1.2/50µs [kV]	Std. R-value[Ω]	Low Extended R-value[Ω]	Hi Extended R-value[Ω]
UT20	20	40	77	1K-1G	20-0.9K	1.1G-10T
UT35	35	30	50	1K-1G	10-0.9K	1.1G-10T
UT50	50	48	77	1K-1G	10-0.9K	1.1G-10T
UT70	70	65	100	1K-1G	10-0.9K	1.1G-10T
UT100	100	100	150	1K-1G	10-0.9K	1.1G-10T
UT150	150	100	150	1K-1G	10-0.9K	1.1G-10T

■ CHARACTERISTICS

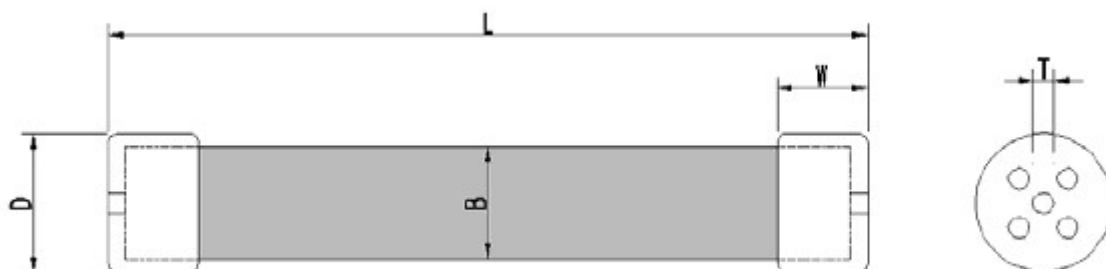
Resistance Tolerance		1%, 2%, 5%, 10%
Temp. Coefficient		Std. 100ppm/ °C
Short Time Overload	ΔR±0.5% Max.	5 X Power rating 5sec.
Thermal Shock	ΔR±0.5% Max.	Mil-std-202, Method 107, Cond. C
Load Life	ΔR±1.0%	1000hours at rated power
Moisture Resistance	ΔR±0.5%	Mil-std-202, Method 106
Insulation Resistance		10GΩ Min.

■ DERATING CURVE



A : in Glass Coat
 B : in Epoxy Coat

DIMENSIONS [mm]



Model	Dimensions					
	L	B	D	Diameter on Corona Ring 'RC' type	W	T
UT20	158±1.5	14±1.0	15±1	N/A	10±1.5	M4
UT35	110±1.5	31±1.0	33±0.5	43	18±0.5	M6
UT50	160±1.5	31±1.0	33±0.5	43	18±0.5	M6
UT70	210±1.5	31±1.0	33±0.5	43	18±0.5	M6
UT100	310±1.5	31±1.0	33±0.5	43	18±0.5	M6
UT150	310±1.5	40±1.0	45±1.0	59	21±0.5	M6

APPLICATION GUIDE

- 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 Analysers)
- Corona Generators
- Multi channel Analysers
- 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