



# Metal Composite Tubular type Non-Inductive Resistors for Ultra High Voltage, High Energy



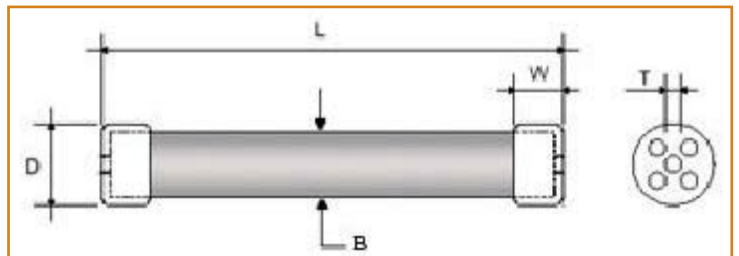
## ET is Energy Tube, Ultra High Voltage, High Frequency, High Energy.

ET series to meet general set of requirements of various ultra high voltage high energy with composite type tubular resistors , especially for build up R & R-C Tank at reasonable cost .

- \* Power Rating Able to build up Mega Joules Energy System.
- \* Well working in Air, Oil , Mist & harsh condition
- \* Pulse Modulators
- \* Surge Absorb
- \* Charging /Discharging
- \* X-ray equipments
- \* Ground
- \* Dust Collecting Systems
- \* Nuclear Systems
- \* High Voltage Rectifyer
- \* High Voltage Diode
- \* High Frequency
- \* Various High Voltage Energy Applications



### DIMENSIONS [mm]



Model Nr.	Power[W]	Max. Impulse Voltage[kV] 1.2/50uSec	Dimensions in millimeters					
			L	B	D	Dia on Corona Ring, 'RC' type	W	T
ET 70	70	50	160+/-0.5	45+/-1.0	49+/-0.5	62	20+/-0.1	M6
ET 150	150	100	310+/-0.5	45+/-1.0	49+/-0.5	62	20+/-0.1	M6
ET 250	250	150	450+/-0.5	46+/-1.0	49+/-0.5	62	20+/-0.1	M6

Cap style: ex) ET150 -nc ; normal cap type , ET150 -rc ; Corona Ring & Cap type

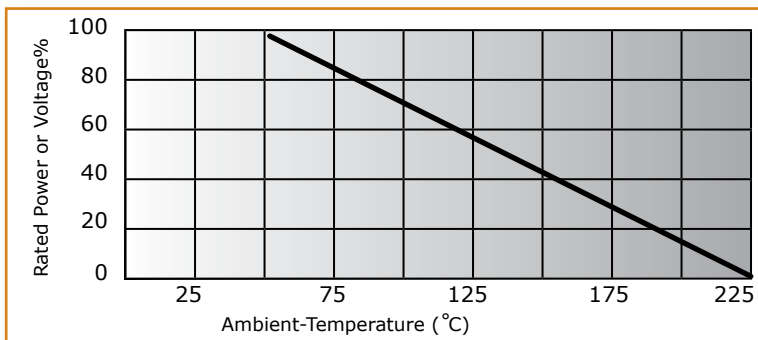


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Model Nr.	Std. Ohmic Rating[Ω]	Low Extended R-value[Ω]	Hi Extended R-value[Ω]
ET70	10~100	1.5	upto 3k
ET150	10~150	2	upto 10k
ET150	10~200	5	upto 10k

## DERATING CURVE



## SPECIFICATIONS

### Resistance Tolerance :

1%,2%,5%,10%

### 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  $\Delta R$  0.50% max.

### Thermal Shock :

Mil-Std-202, Method- 107, Cond. C,  $\Delta R$  0.50% max.

### Load Life :

1.000 hours at rated power  $\Delta R$  1.0% typ.

### Moisture Resistance:

Mil-Std-202, Method 106,  $\Delta R$  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.