

# UT Thick Film Tube Resistors



Designed for applications such as voltage dividers, medical and measuring equipment, electrostatic and current limiting devices where high stability, low TCR and high ohmic values are required

- Non inductive thick film
- High voltage to 100kVdc
- RoHS Compliant



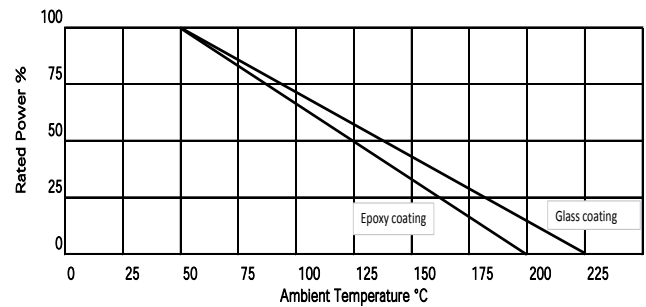
## Characteristics

Tolerance (Code)	±1% (F), ±2% (G), ±5% (J), ±10% (K)
Operating temperature	-55°C to 225°C
Temperature coefficient	±100ppm/°C as standard, other TCR on request
Overload / Voltage	5 times rated power with power applied, voltage not to exceed 1.5 times Max. continuous operating voltage for 5 seconds, overload/overvoltage ΔR0.50% Max
Thermal shock	Mil-Stad-202, Method 107, Cond C, ΔR0.5% Max
Load life	1,000 hours at rated power continuous ΔR0.5%, ΔR3% at repetitive impulse power
Moisture resistance	Mil-Stad-202, Method 106, ΔR0.5% Max
Insulation resistance	10,000Mohms Min
Connections	M4 and M6

## Electrical Specifications

Type	Wattage	Max. continuous operating voltage (kV)	Resistance Standard	
			Min	Max
UT20	20	40	1K	1G
UT35	35	30	1K	1G
UT50	50	48	1K	1G
UT70	70	65	1K	1G
UT100	100	100	1K	1G
UT150	150	100	1K	1G

## Derating Curve



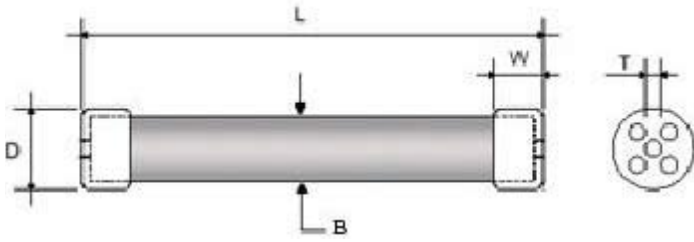
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The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

## Dimensions (mm)



Type	L $\pm 1.5$	B $\pm 1$	D	W	T	Corona ( $\emptyset$ )
UT20	158	14	15 $\pm 1$	10 $\pm 1.5$	M4	N/A
UT35	110	31	33 $\pm 0.5$	18 $\pm 0.5$	M6	43
UT50	160	31	33 $\pm 0.5$	18 $\pm 0.5$	M6	43
UT70	210	31	33 $\pm 0.5$	18 $\pm 0.5$	M6	43
UT100	310	31	33 $\pm 0.5$	18 $\pm 0.5$	M6	43
UT150	310	40	45 $\pm 1$	21 $\pm 0.5$	M6	59

## Ordering Procedure

Standard Resistor: Series, Ohmic value, Tolerance code,  
Cap style (RC Corona ring or NC normal cap)  
Coating: glass standard, epoxy available

e.g.: UT100 200R J RC

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