

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-Std-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 | |
|-------|---------|--|------------|-----|
| | | | Min | Max |
| UT20 | 20 | 40 | 20R | 10T |
| UT35 | 35 | 30 | 10R | 10T |
| UT50 | 50 | 47 | 10R | 10T |
| UT70 | 70 | 65 | 10R | 10T |
| UT100 | 100 | 100 | 10R | 10T |
| UT150 | 150 | 100 | 10R | 10T |

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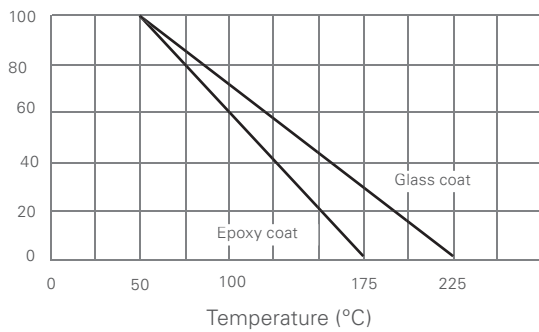
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The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development therefore, specifications may change.

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.

Derating Curve

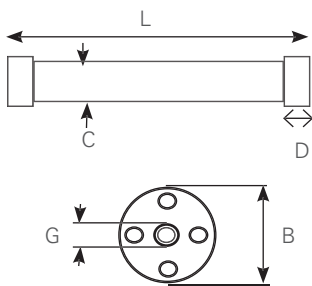
Power rating (%)



Ordering Procedure

Standard resistor: Series, Termination style, Coating type, Ohmic value, Tolerance code, TCR code, Cap style (RC Corona ring or NC normal cap)
e.g.: UT100 M4 200R J 100PPM RC

Dimensions (mm)



| Type | L ± 1.5 | C ± 1 | B | D | G | Corona type (dia.) |
|-------|-------------|-----------|--------------|--------------|----|--------------------|
| UT20 | 158 | 14 | 15 ± 1 | 10 ± 1.5 | M4 | N/A |
| UT35 | 110 | 31 | 33 ± 0.5 | 18 ± 0.5 | M6 | 43 |
| UT50 | 160 | 31 | 33 ± 0.5 | 18 ± 0.5 | M6 | 43 |
| UT70 | 210 | 31 | 33 ± 0.5 | 18 ± 0.5 | M6 | 43 |
| UT100 | 310 | 31 | 33 ± 0.5 | 18 ± 0.5 | M6 | 43 |
| U150 | 310 | 40 | 45 ± 1 | 21 ± 0.5 | M6 | 59 |

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