

Type TT Series

Key Features

- High resistance to heat.
- Small resistance temp. coefficient with the change in resistance with temperature being linear
- Resistance value unchanged after long use, good resistance to short time overload
- Small in size, able to take large load, fit for use in heavy electrical machinery and production machines
- Adjustable version available
- Ribbon version also available

Applications

- Braking
- Crowbar
- Inrush Limiting
- Balancing
- Filter
- Electrical Machinery
- Capacitor Charging & Discharging



These High power tubular resistors have a high resistance to heat, and a small resistance to temperature co-efficient. Relatively small in size, their ability to take a large load make them ideal for use in heavy electrical machinery. Available as standard wire wound resistor coated with flameproof enamel paint or ribbon style also coated with flameproof enamel paint.

Characteristics - Electrical

Resistance Values:	R20 to 70K
Resistance Tolerance:	5%, 10%
Temp. Coefficient of Resistance:	within ± 400 ppm/°C
Rated Power @ 70°C:	10 to 1000 Watts nominal
Operating Temperature Range:	-55°C to +200°C

Characteristics - Mechanical

	Test Condition	Performance
Life (Rated Power):	70°C, rated power, ON/OFF, 1000 hrs	$\Delta R \leq 3.0\%$
Life (Moisture Load):	40°C, 95% RH, rated power, ON/OFF, 1000 hrs	$\Delta R \leq 3.0\%$
Short-term Overload:	10 times of rated wattage for 5 sec.	$\Delta R \leq 2.0\%$
Flammability:	16 times rated wattage for 5 min	No Flames
Insulation Resistance:	500V Megger	Over 1000M ohm

Derating Curve

