

Type TJT Series

Key Features

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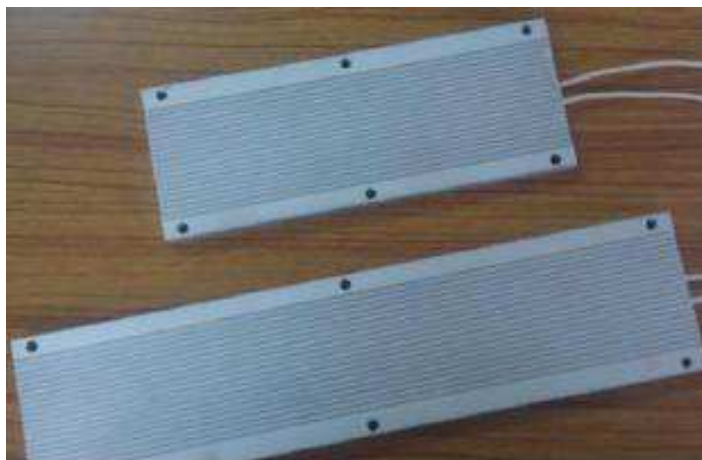
Excellent Heat transfer and small dimensions

Good Electrical Stability, reliability and mechanically very rigid

Wide Range of Resistance values available

Custom Terminations, Mounting Arrangements possible

Non Inductive version available



The TJT series is a range of high quality, high stability Aluminium housed low profile Power resistors designed for direct heat sink attachment.

A wide range of resistance values is available in 150W to 500W when fitted to a standard heatsink

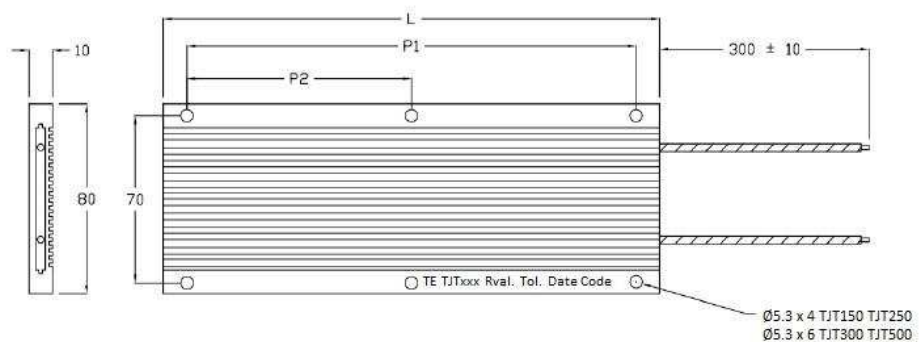
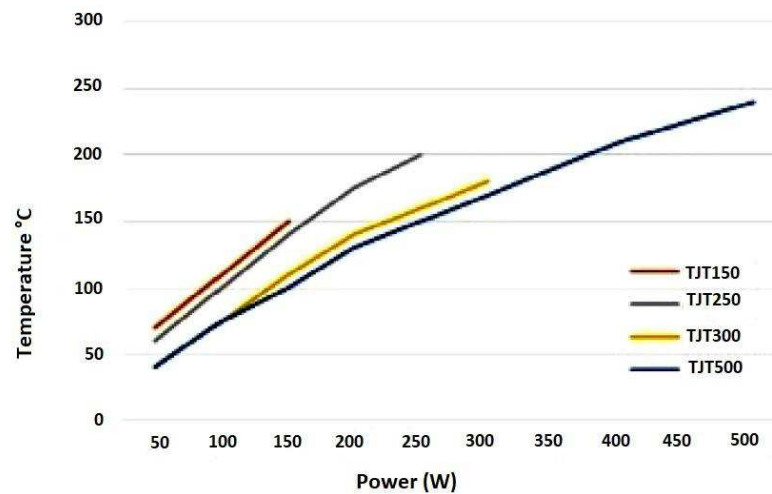
Ideal for custom terminations and mounting arrangements, the TJT series is RoHS compliant

Characteristics – Electrical

Parameter	Test	Compliance
Tolerance		±5%
Temperature Co-efficient		< ± 100 PPM/°C
Insulation Resistance	Dry/Normal	> 500 MΩ
- Short time overload	5x rated voltage for 5 secs	$\Delta R < \pm (1\% + 0.05\Omega)$
- Load Life	Rated Power (1.5Hr ON – 1.5Hr OFF) for 1000 hours	$\Delta R < \pm 1\%$
Operating Temperature	From -25°C to 250°C	
Dielectric Strength	1500VAC rms for 1 minute	No breakdown or flashover
Power Derating		Linearly from 100% at 25°C to 0 at 260°C

Series	Power rating on Std Heat sink (W)	Power rating in free air (W)	Resistance Range (Ω)	Dielectric Strength (VAC)	Standard Heatsink	
					Area (CM²)	Thick (mm)
TJT150	150	75	1R0 – 1K0	1500	930	3
TJT250	250	125	1R0 – 1K5	1500	930	3
TJT300	300	150	1R0 – 1K7	1500	1600	3
TJT500	500	250	1R0 – 3K0	1500	1600	3

Surface Temperature Vs Power



Series	L max (mm)	P1 (mm)	P2 (mm)
TJT150	120	100	N/A
TJT250	180	160	N/A
TJT300	210	190	95
TJT500	330	310	155

Marking – Laser marking from August 2022 (previously Inkjet)

How To Order

TJT	150	1R0	J
Common Part	Power Rating	Resistance Value	Tolerance
TJT	150 – 150W 250 – 250W 300 – 300W 500 – 500W	1 ohm 1R0 1K ohm 1000 ohms 1K0	J – 5%