

Type TJT Series

Key Features

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.

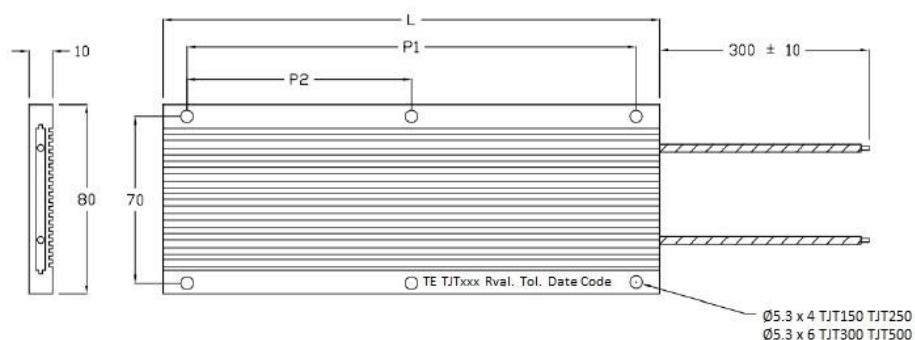
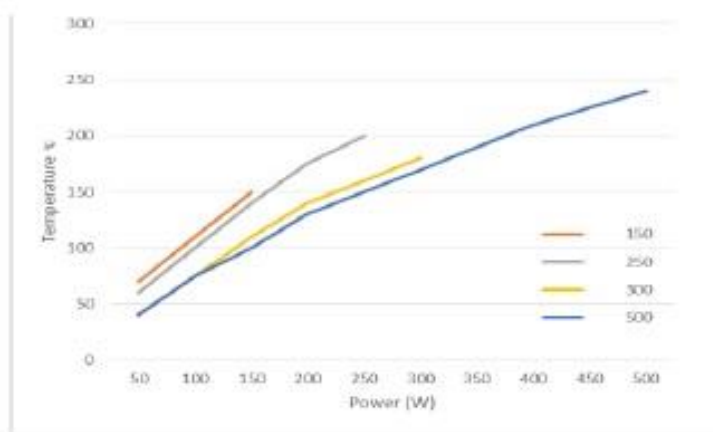
A wide range of resistance values is available in 150W to 500W when fitted to a standard heatsink

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

Characteristics – Electrical

Parameter	Test	Change in R value if applicable
Tolerance		±5%
Temperature Co-efficient		< ± 260 PPM/°C
Insulation Resistance	Dry/Normal	> 500 MΩ
Change in Resistance		
- Short time overload	5x rated voltage for 5 secs	< ± (1% + 0.05Ω)
- Load Life	Rated Power (1.5Hr ON – 1.5Hr OFF) for 1000 hours	< ± 1%
Operating Temperature	From -25°C to 250°C	
Derating	Linearly from 100% at 25°C to 0 at 260°C	

Surface Temperature Vs Power



Series	Power rating on Std Heat sink (W)	Power rating in free air (W)	Resistance Range	Dielectric Strength	Standard Chassis		L max	P1	P2
TJT150	150	75	1R0 – 1K0	1500	930	3	120	100	N/A
TJT250	250	125	1R0 - 1K5	1500	930	3	180	160	N/A
TJT300	300	150	1R0 – 1K7	1500	1600	3	210	190	85
TJT500	500	250	1R0 – 3K0	1500	1600	3	330	310	155

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%