

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

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

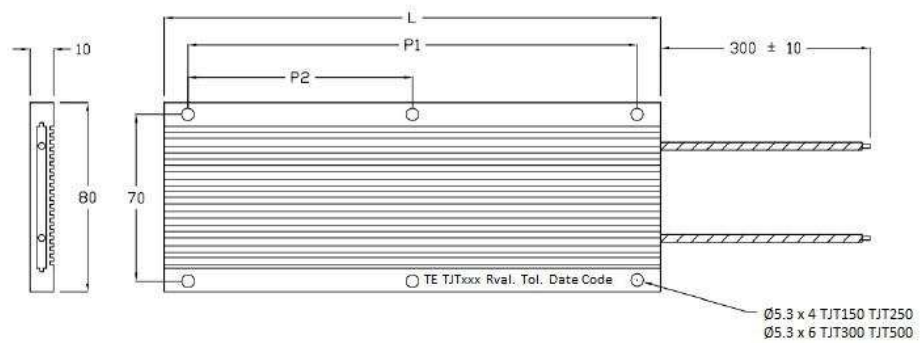
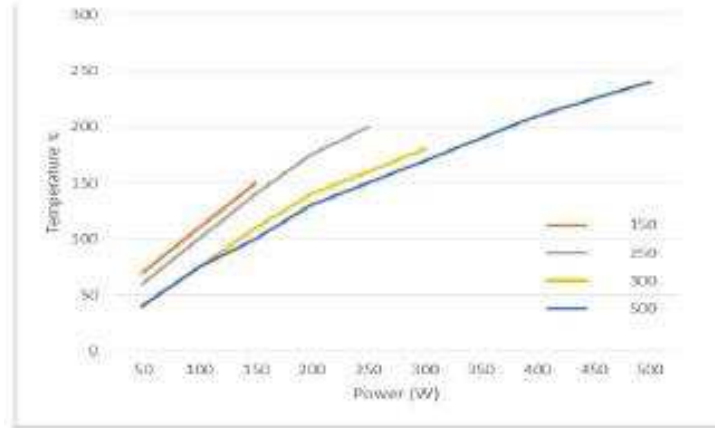
Non Inductive version available

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 (Ω) | Dielectric Strength (V) | L max (mm) | P1 (mm) | P2 (mm) |
|--------|-----------------------------------|------------------------------|----------------------|-------------------------|------------|---------|---------|
| TJT150 | 150 | 75 | 1R0 – 1K0 | 1500 | 120 | 100 | N/A |
| TJT250 | 250 | 125 | 1R0 - 1K5 | 1500 | 180 | 160 | N/A |
| TJT300 | 300 | 150 | 1R0 – 1K7 | 1500 | 210 | 190 | 85 |
| TJT500 | 500 | 250 | 1R0 – 3K0 | 1500 | 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% |