

Thyristors

T250



Technical Data

Typical applications : D.C. Motor control, Controlled rectifiers, A.C. Controllers

| Type No. | V _{RRM} (Volts) | V _{RSM} (Volts) |
|----------|-----------------------------|-----------------------------|
| T250/04 | 400 | 500 |
| T250/06 | 600 | 700 |
| T250/08 | 800 | 900 |
| T250/10 | 1000 | 1100 |
| T250/12 | 1200 | 1300 |
| T250/14 | 1400 | 1500 |
| T250/16 | 1600 | 1700 |

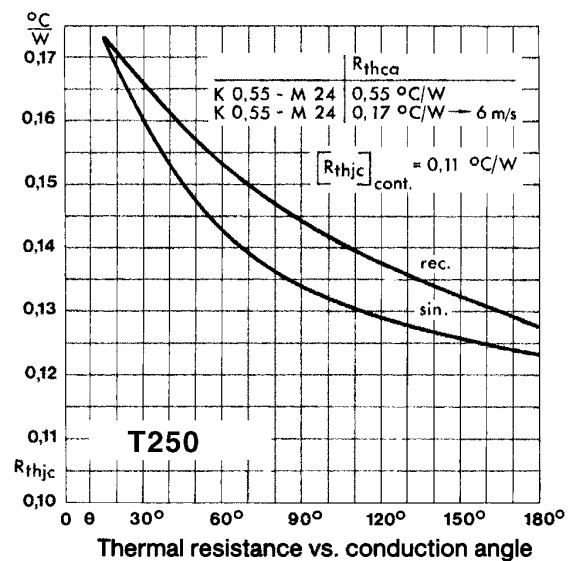
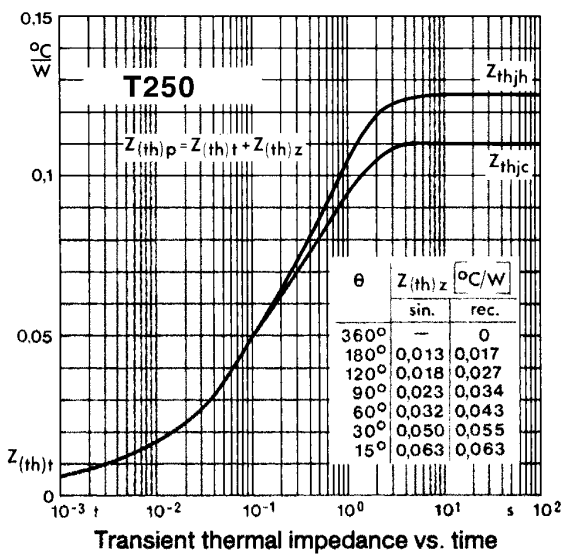
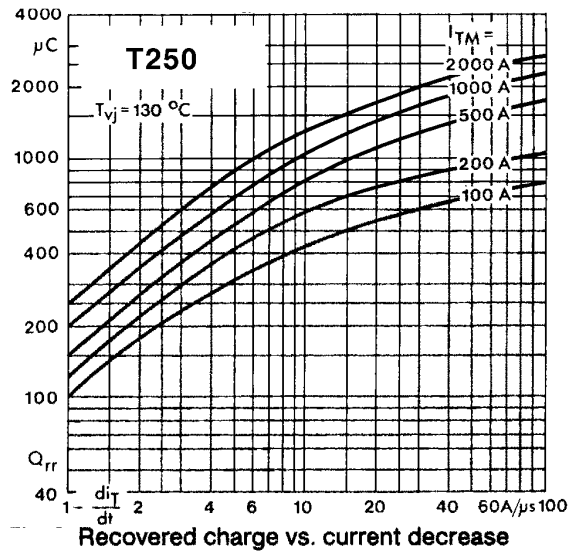
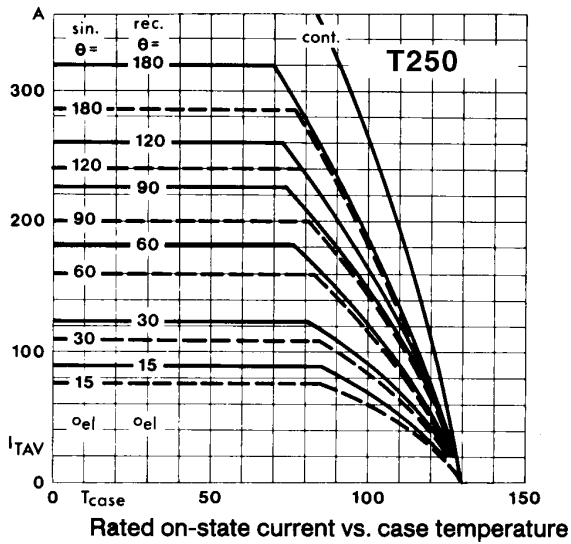
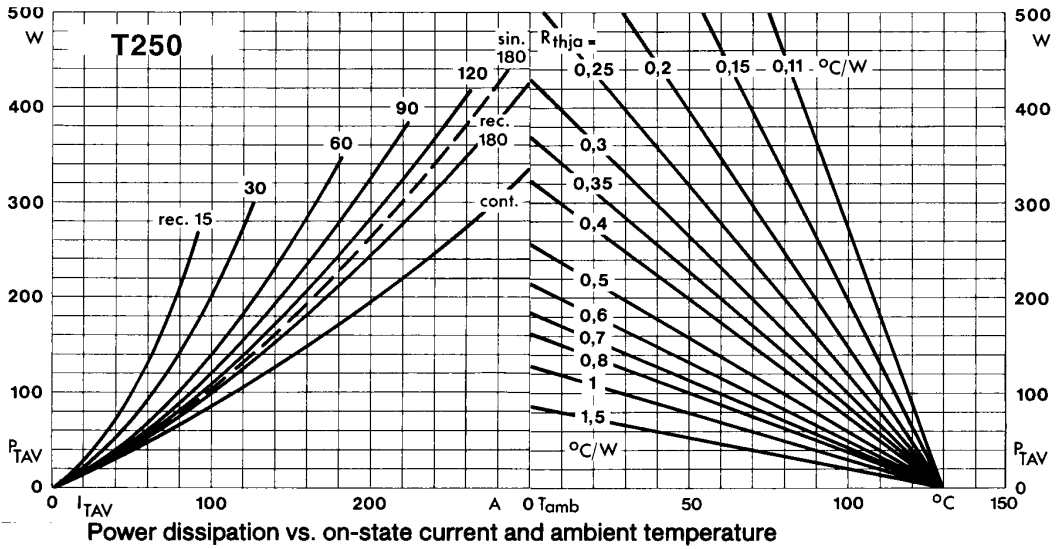
Features

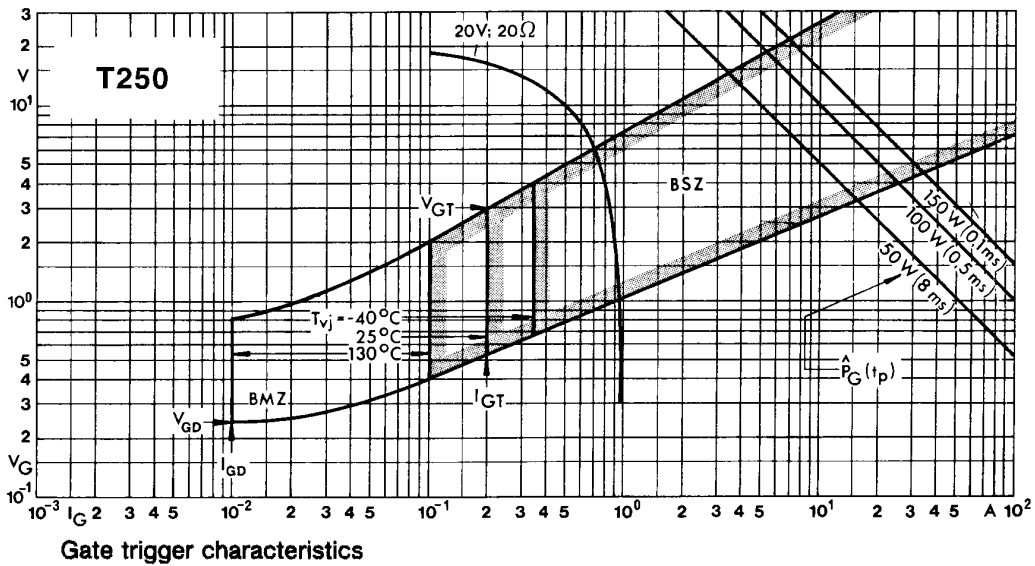
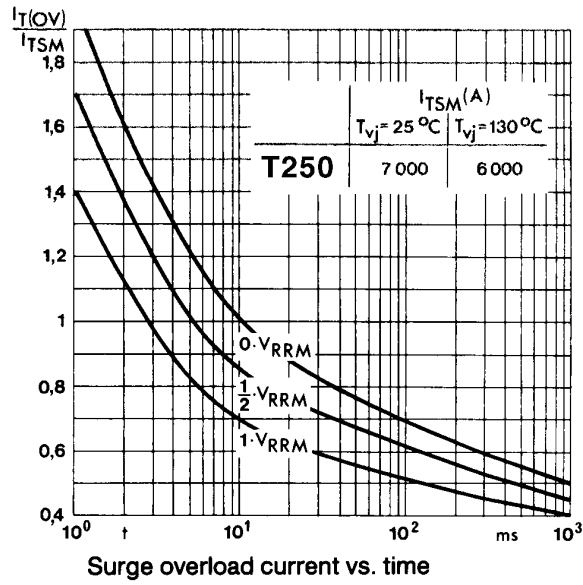
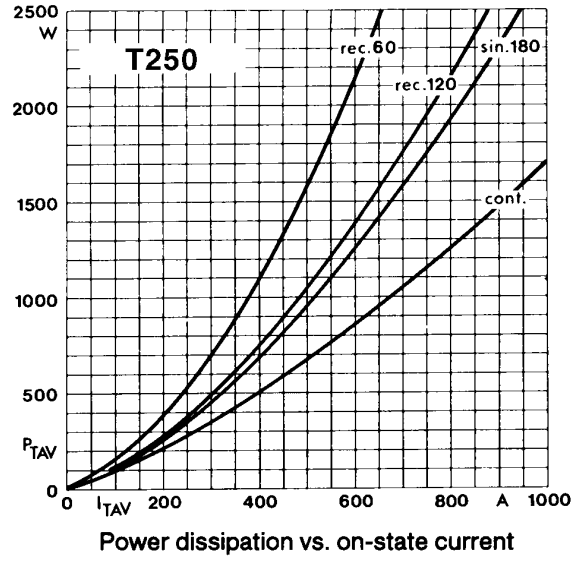
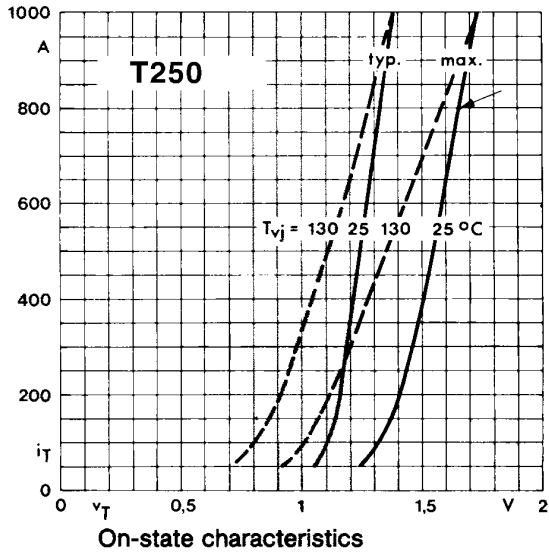
- Hermetic glass to metal seal
- Voltage grade upto 1600V
- Weight 450 gm (Approx)

| Symbol | Conditions | Values |
|--|--|---|
| I _{T(AV)} | Sin 180 ; T _{case} = 85 °C | 250 A |
| I _{TSM} | T _{vj} = 25 °C T _{vj} = 130 °C | 7000 A 6000 A |
| I ² t | T _{vj} = 25 °C T _{vj} = 130 °C | 245000 A ² s 180000 A ² s |
| I _{GT} V _{GT} dv/dt [di/dt] _{CR} | T _{vj} = 25 °C; V _{DRM} = 5V T _{vj} = 25 °C; V _{DRM} = 5V T _{vj} = 130 °C ; Voltage = 67 % V _{DRM} | 200 mA 3V *200 V/μs 100 A/μs |
| V _T V ₀ R ₀ I _{RRM} /I _{DRM} | T _{vj} = 25 °C ; I _T = 800A T _{vj} = 130 °C T _{vj} = 130 °C T _{vj} = 130 °C | 1.65 V max 1.0 V 0.70 m 50 mA |
| I _H I _L | | Typ 150 mA; max. 250 mA Typ 300 mA; max. 600 mA |
| R _{th(j-c)} R _{th(c-h)} T _{vj} T _{stg} | Cont. Sin 180 / rec. 120 | 0.11 °C/W 0.123 / 0.137 °C/W 0.015 °C/W + 130 °C -40.....+ 150 °C |
| Mounting torque | | 50 Nm / 12.5 Nm per Bolt |
| Case outline | | Std. Z / Alt.W |

* Higher dv/dt selection available on request



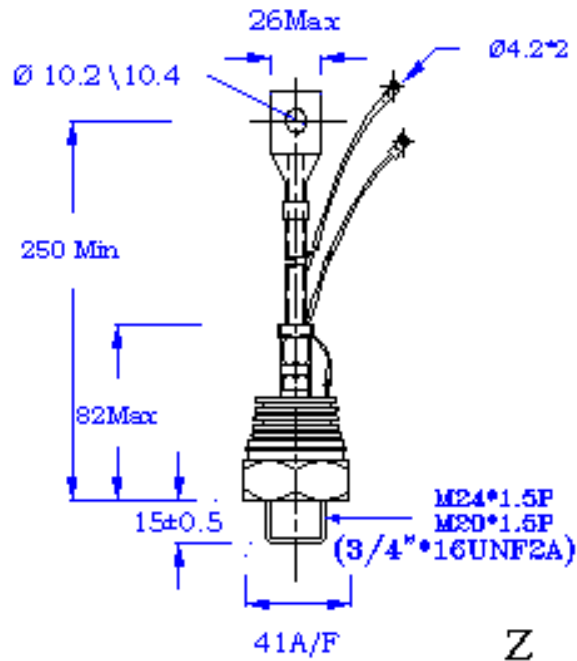




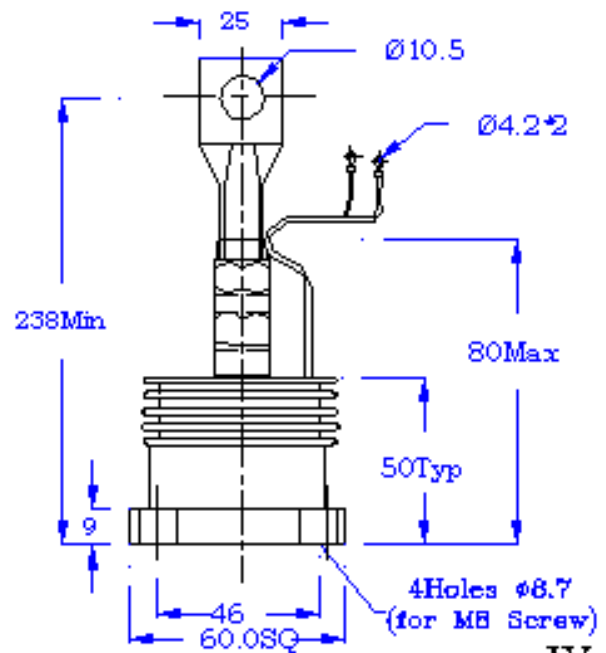
PACAKAGE DEATILS

DO NOT SCALE

All Dimensions in mm



Mounting Torque 60NM Z



Mounting Torque 15NM/Bolt^W