

Thyristors T500



Technical Data

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

Type No.	V_{RRM} (Volts)	V_{RSM} (Volts)
T500/04	400	500
T500/06	600	700
T500/08	800	900
T500/12	1200	1300
T500/14	1400	1500
T500/16	1600	1700
T500/18	1800	1900

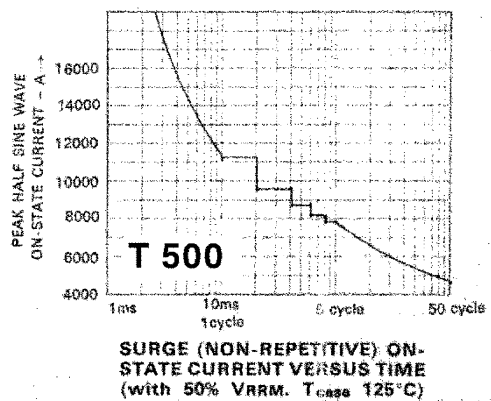
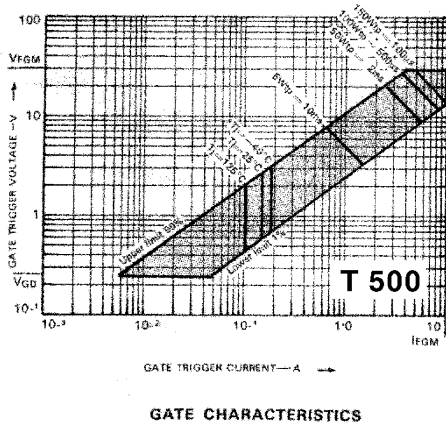
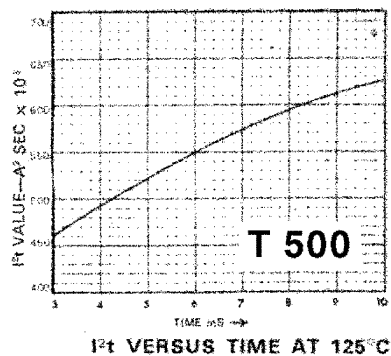
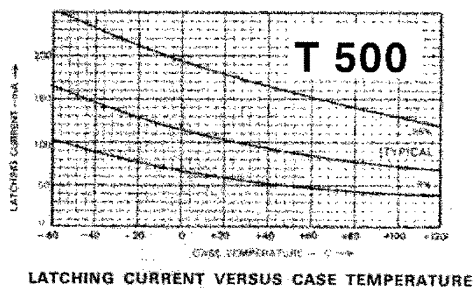
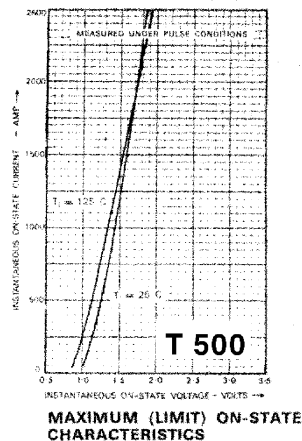
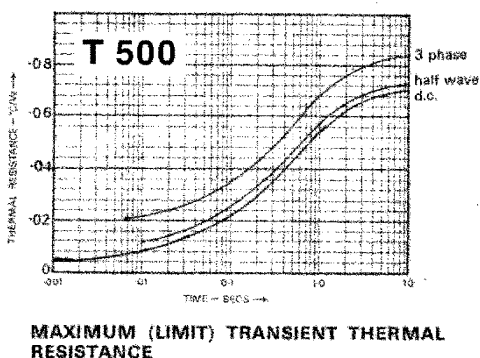
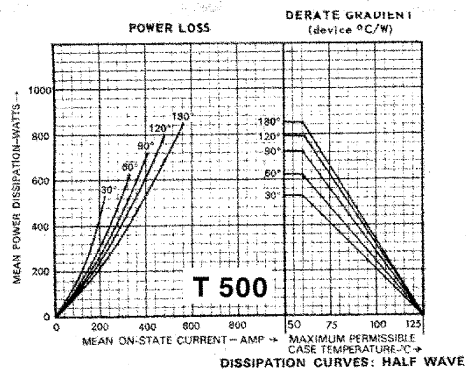
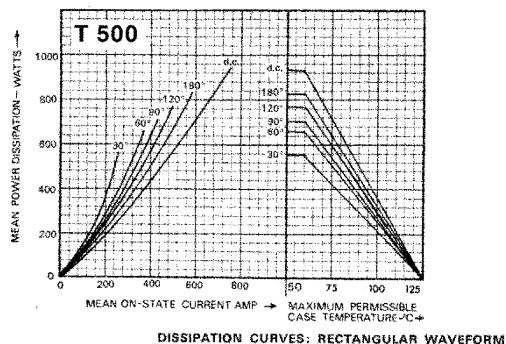
Features

- Ceramic Header
- Voltage grade upto 1800V
- Weight 550 gm (Approx)

Symbol	Conditions	Values
$I_{T(AV)}$	Half wave resistive load; $T_{case} = 70^\circ C$	500 A
I_{TSM}	$T_{vj} = 125^\circ C$; 10 ms half sine, $V_R = 50\% V_{RRM}$	11200 A
I^2t	$T_{vj} = 125^\circ C$; 10 ms half sine $T_{vj} = 125^\circ C$; 3 ms half sine	625000 A ² s 460000 A ² s
I_{GT} V_{GT} dv/dt $[di/dt]_{CR}$	$T_{vj} = 25^\circ C$; $V_{DRM} = 5V$ $T_{vj} = 25^\circ C$; $V_{DRM} = 5V$ $T_{vj} = 125^\circ C$; Voltage = 67 % V_{DRM} Repetitive 50 Hz	150 mA 3.5 V *200 V/ μ s 100 A/ μ s
V_T I_{RRM}/I_{DRM}	$T_{vj} = 25^\circ C$; $I_T = 1600A$ $T_{vj} = 125^\circ C$	1.62 V max 50 mA
I_H I_L	Typ. value. Typ. value.	80 mA 100 mA
$R_{th(j-h)}$ T_{vj} T_{stg}	dc Half wave 3-Phase 	0.070 $^\circ C/W$ 0.073 $^\circ C/W$ 0.084 $^\circ C/W$ + 125 $^\circ C$ -40.....+ 125 $^\circ C$
Mounting torque		15 Nm per Bolt
Case outline		S

* Higher dv/dt selection available on request

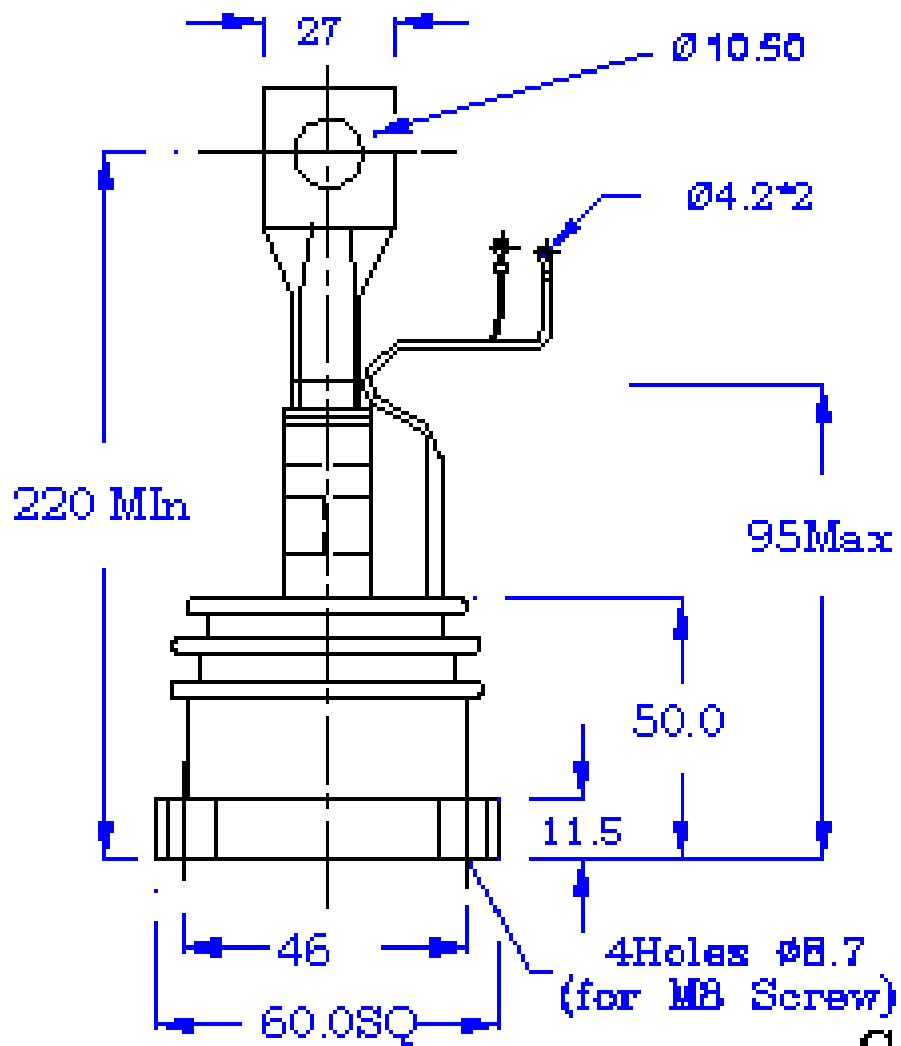




PACAKAGE DEATILS

DO NOT SCALE

All Dimensions in mm



Mounting Torque 15Nm/Bolt