

Thyristors

T370



Technical Data

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

Type No.	V_{RRM} (Volts)	V_{RSM} (Volts)
T370/14	1400	1500
T370/16	1600	1700
T370/18	1800	1900
T370/22	2200	2300
T370/26	2600	2700
T370/29	2900	3000

Features

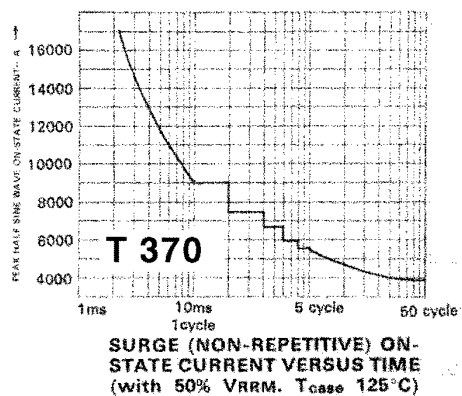
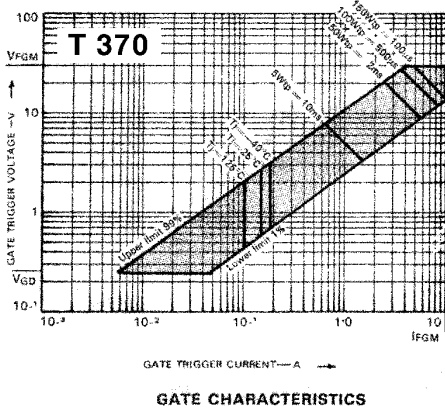
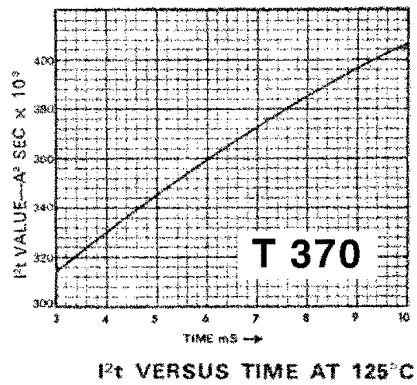
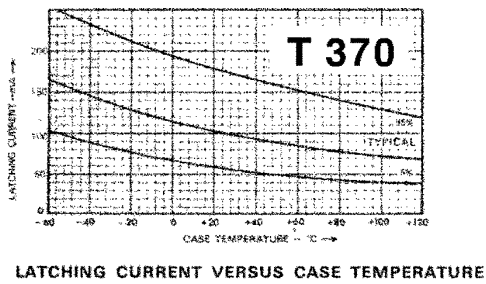
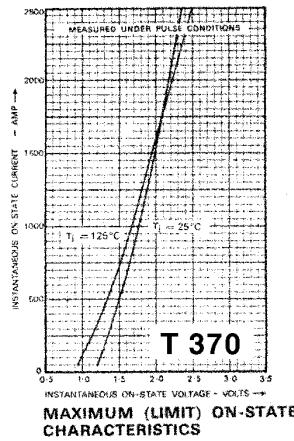
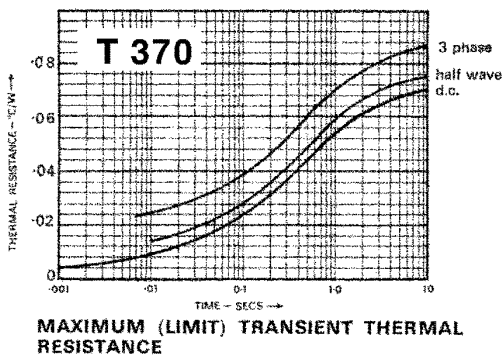
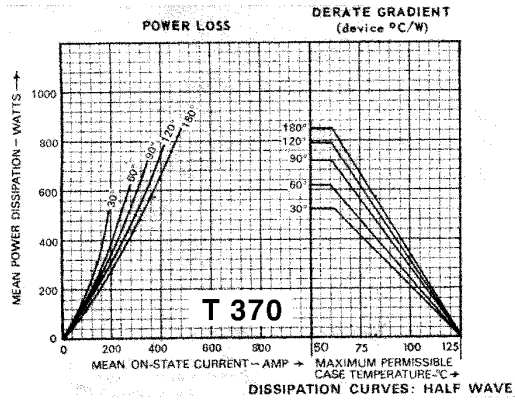
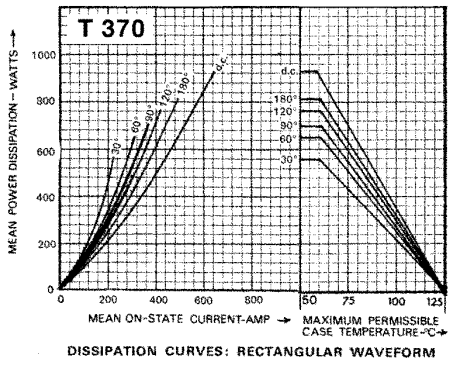
- Ceramic Header
- Voltage grade upto 2900V
- Weight 550 gm (Approx)

* Low Voltage on request

Symbol	Conditions	Values
$I_{T(AV)}$	Half wave resistive load; $T_{case} = 82\text{ }^{\circ}\text{C}$	370 A
I_{TSM}	$T_{vj} = 125\text{ }^{\circ}\text{C}$; 10 ms half sine, $V_R = 50\% V_{RRM}$	9000 A
I^2t	$T_{vj} = 125\text{ }^{\circ}\text{C}$; 10 ms half sine	405000 A^2s
	$T_{vj} = 125\text{ }^{\circ}\text{C}$; 3 ms half sine	315000 A^2s
I_{GT} V_{GT} dv/dt $[di/dt]_{CR}$	$T_{vj} = 25\text{ }^{\circ}\text{C}$; $V_{DRM} = 5\text{V}$	150 mA
	$T_{vj} = 25\text{ }^{\circ}\text{C}$; $V_{DRM} = 5\text{V}$	3.5 V
	$T_{vj} = 125\text{ }^{\circ}\text{C}$; Voltage = 67 % V_{DRM}	*300 V/ μs
V_T I_{RRM}/I_{DRM}	$T_{vj} = 25\text{ }^{\circ}\text{C}$; $I_T = 1600\text{A}$	2.0V max
	$T_{vj} = 125\text{ }^{\circ}\text{C}$	50 mA
I_H	Typ. value.	80 mA
I_L	Typ. value.	100 mA
$R_{th(j-h)}$ T_{vj} T_{stg}	dc	0.070 $^{\circ}\text{C/W}$
	Half wave	0.073 $^{\circ}\text{C/W}$
	3-Phase	0.084 $^{\circ}\text{C/W}$
		+ 125 $^{\circ}\text{C}$
		-40.....+ 125 $^{\circ}\text{C}$
Mounting torque		15 Nm per Bolt
Case outline		S

* Higher dv/dt selection available on request

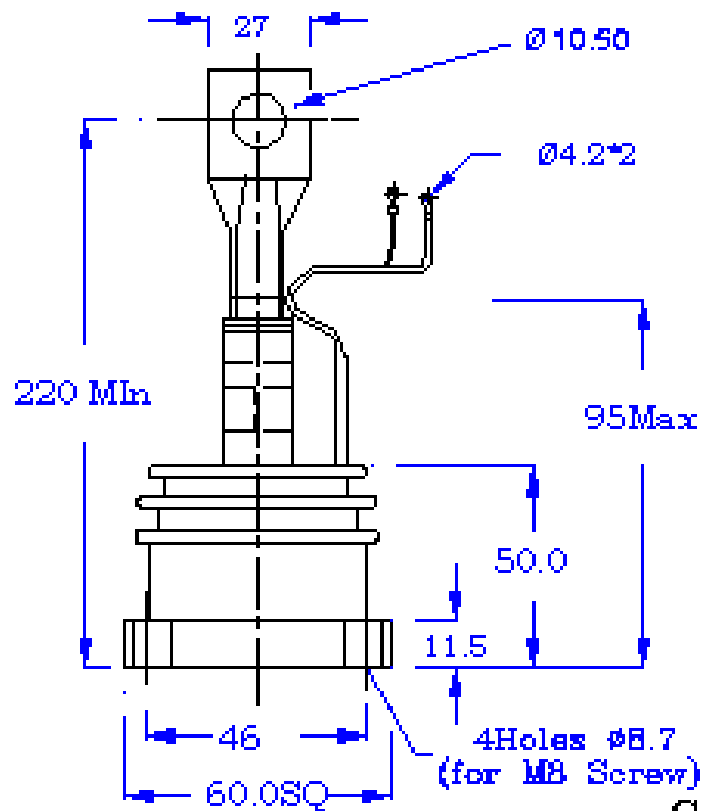




PACAKAGE DEATILS

DO NOT SCALE

All Dimensions in mm



Mounting Torque 15Nm/Bolt^S