

Thyristors

T430



Technical Data

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

Type No.	V_{RRM} (Volts)	V_{RSM} (Volts)
T430/14	1400	1500
T430/16	1600	1700
T430/18	1800	1900
T430/22	2200	2300
T430/26	2600	2700
T430/29	2900	3000

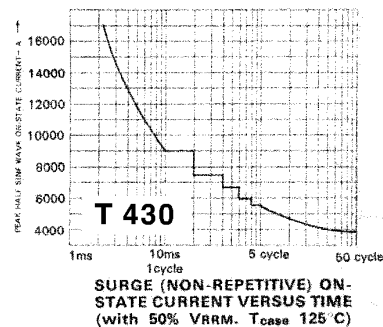
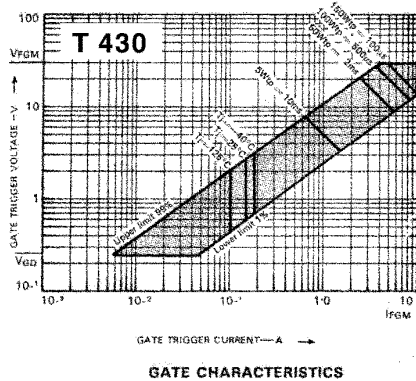
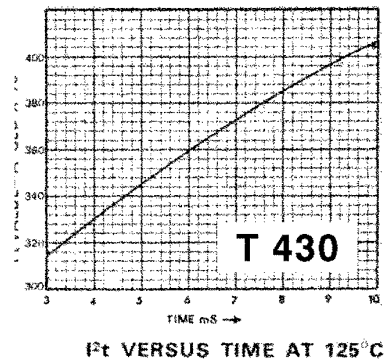
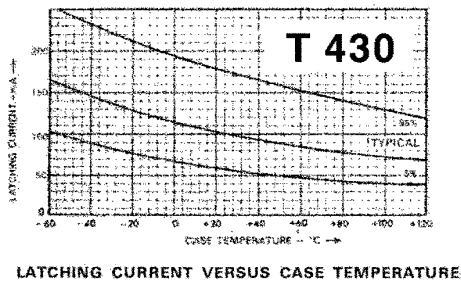
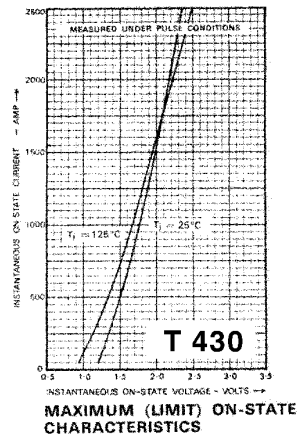
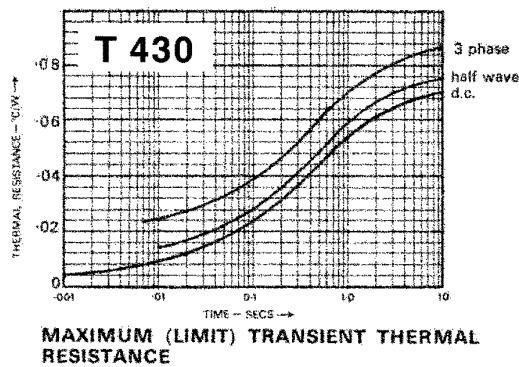
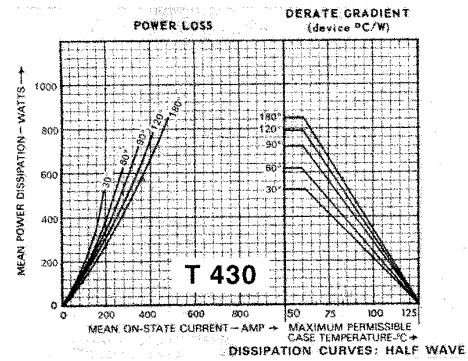
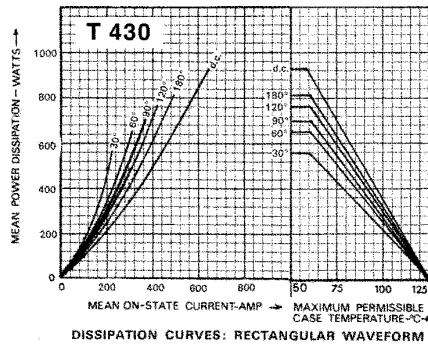
Features

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

Symbol	Conditions	Values
$I_{T(AV)}$	Half wave resistive load; $T_{case} = 68^{\circ}C$	430 A
I_{TSM}	$T_{vj} = 125^{\circ}C$; 10 ms half sine, $V_R = 50\% V_{RRM}$	9000 A
I^2t	$T_{vj} = 125^{\circ}C$; 10 ms half sine $T_{vj} = 125^{\circ}C$; 3 ms half sine	405000 A^2s 315000 A^2s
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/ μs 100 A/ μs
V_T V_0 R_0 I_{RRM}/I_{DRM}	$T_{vj} = 25^{\circ}C$; $I_T = 1600A$ $T_{vj} = 125^{\circ}C$ $T_{vj} = 125^{\circ}C$ $T_{vj} = 125^{\circ}C$	1.80 V max 0.96 V 0.35 m 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

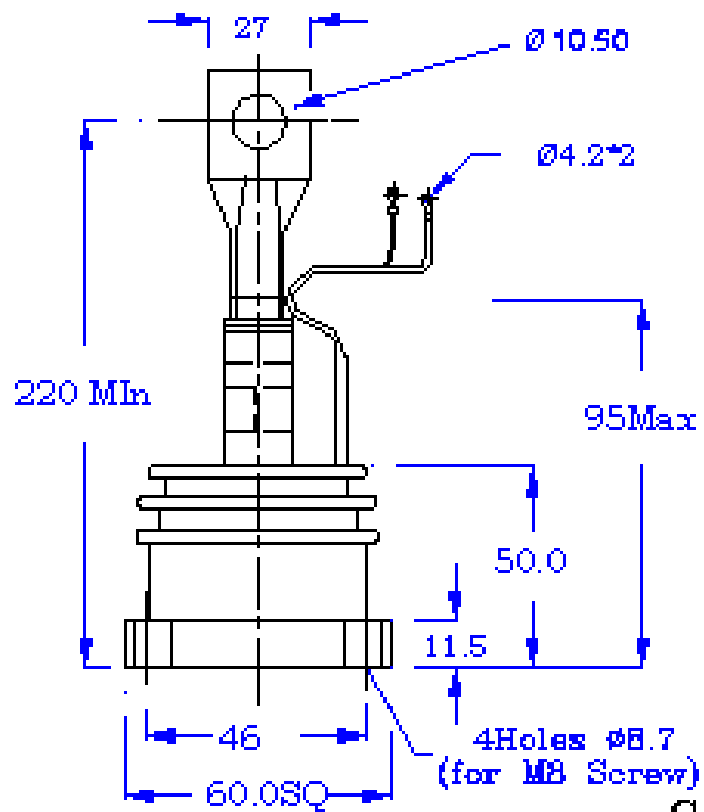




PACAKAGE DEATILS

DO NOT SCALE

All Dimensions in mm



Mounting Torque 15Nm/Bolt^S