

FEATURES

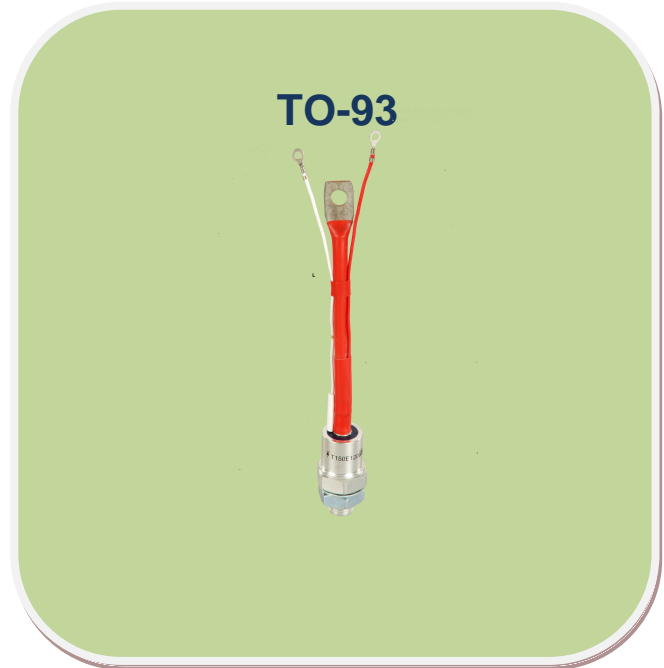
- Hermetic glass to metal seal
- High di/dt & dv/dt capabilities.
- Voltage grade upto 1600V

TYPICAL APPLICATIONS

- DC Motor control
- Controlled rectifiers
- AC Controllers

TECHNICAL DATA

DEVICE TYPE	V_{DRM}/V_{RRM} (V)	V_{RSM} (V)
T200E120	1200	1300
T200E160	1600	1700



SYMBOL	CONDITIONS	VALUES
I_{TAV}	Sin. 180; $T_{case} = 85\text{ }^{\circ}\text{C}$	230 amp.
I_{RMS}	$T_a = 45\text{ }^{\circ}\text{C}$	361 amp.
I_{TSM}	$T_{vj} = 25\text{ }^{\circ}\text{C}$; 10ms	5700 amp.
I^2t	$T_{vj} = 25\text{ }^{\circ}\text{C}$	163 KA^2S
I_{RRM}/I_{DRM}	$T_{vj} = 25\text{ }^{\circ}\text{C}$ $T_{vj} = 125\text{ }^{\circ}\text{C}$	5 mA 30 mA
V_T	$T_{vj} = 25\text{ }^{\circ}\text{C}$ ($I_T = 600\text{ Amp.}$); max	1.55 V
di/dt		1000 A/us
dv/dt		500V/us
I_{GT}	$T_{vj} = 25\text{ }^{\circ}\text{C}$	150 mA
V_{GT}	$T_{vj} = 25\text{ }^{\circ}\text{C}$	3.0 V
I_H	$T_{vj} = 25\text{ }^{\circ}\text{C}$ Typical value	300 mA
I_L	$T_{vj} = 25\text{ }^{\circ}\text{C}$ Typical value	600 mA
$R_{th(j-c)}$	Junction to case	0.10 $^{\circ}\text{C}/\text{W}$
$R_{th(c-h)}$		0.04 $^{\circ}\text{C}/\text{W}$
T_{vj}		125 $^{\circ}\text{C}$
T_{stg}		125 $^{\circ}\text{C}$
Mounting torque		
Weight	Approx.	280 gm
Package Outline		E

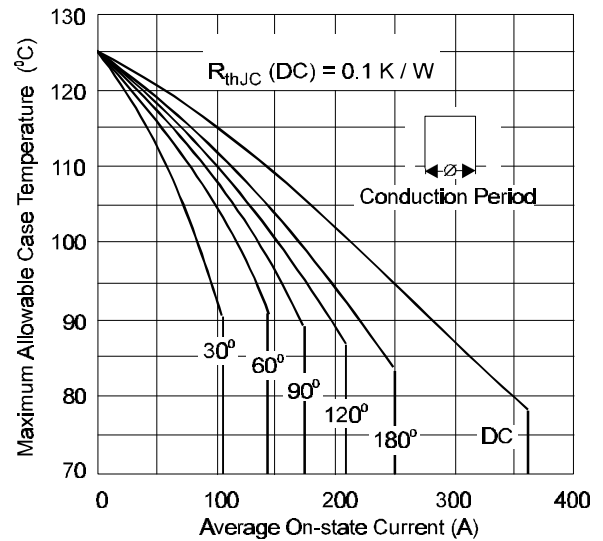
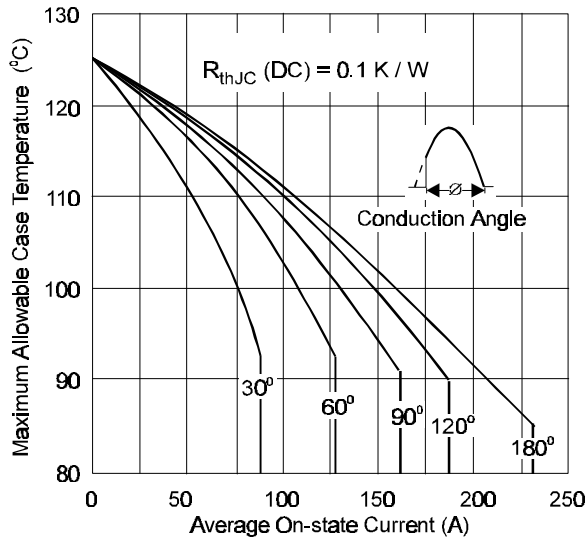


Fig. 4 - On-state Power Loss Characteristics

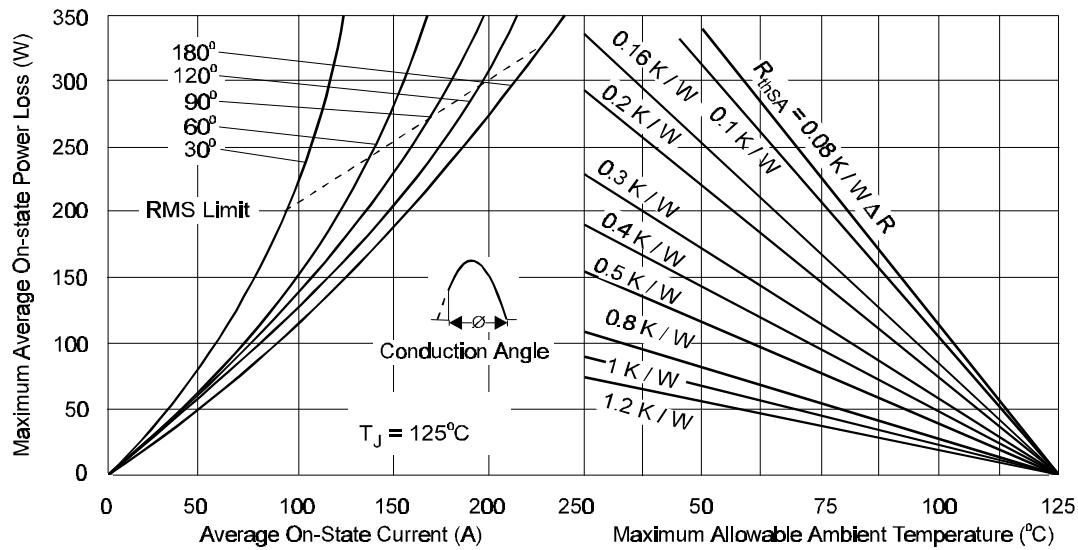


Fig. 5 - On-state Power Loss Characteristics

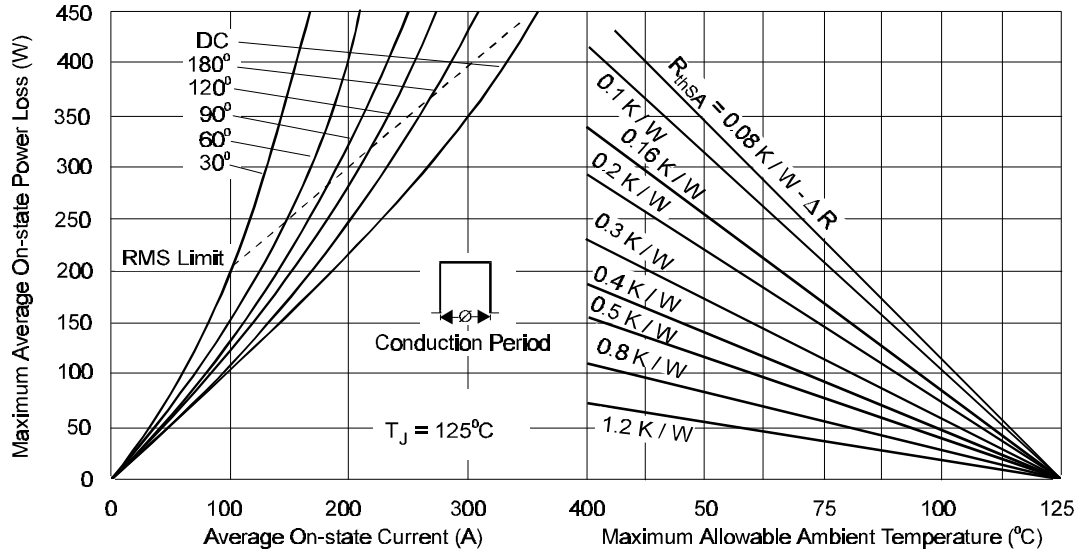


Fig. 6 - On-state Power Loss Characteristics

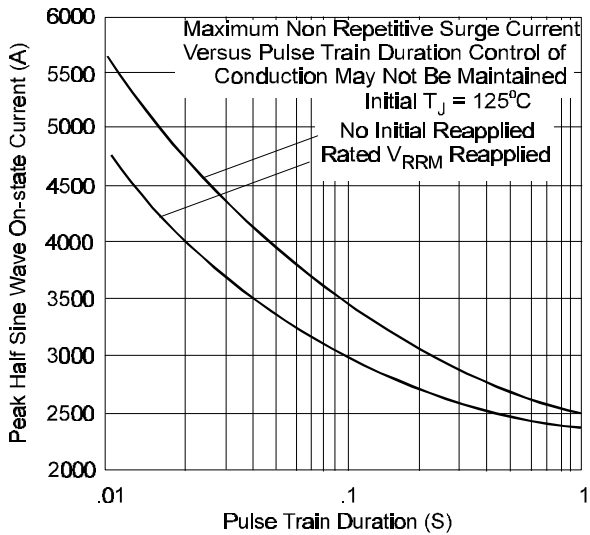


Fig. 10 - Maximum Non-Repetitive Surge Current

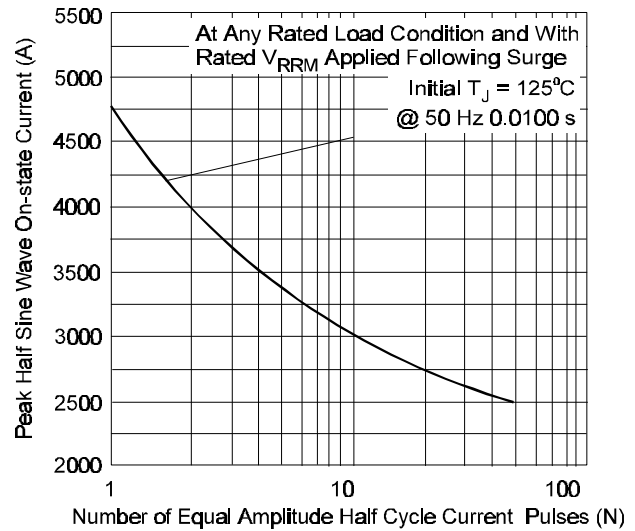


Fig. 8 - Maximum Non-Repetitive Surge Current

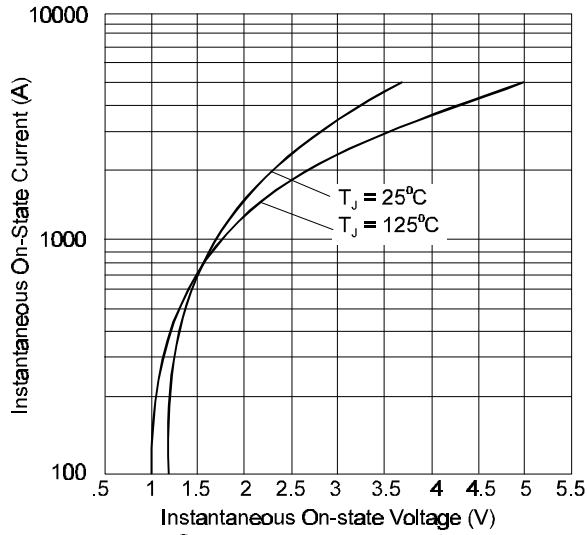


Fig. 12 - On-state Voltage Drop Characteristics

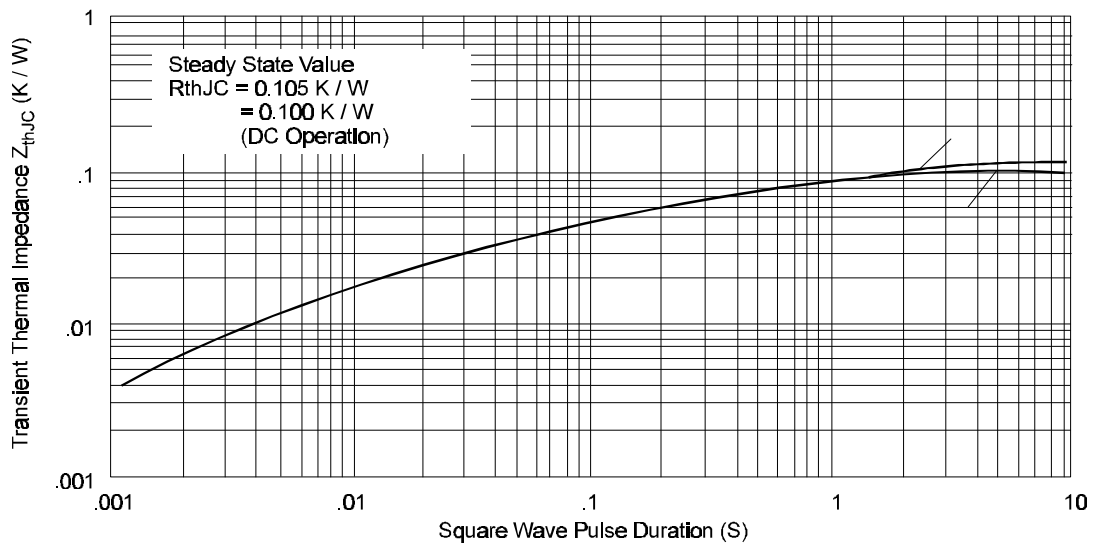


Fig. 13 - Thermal Impedance Z_{thJC} Characteristics

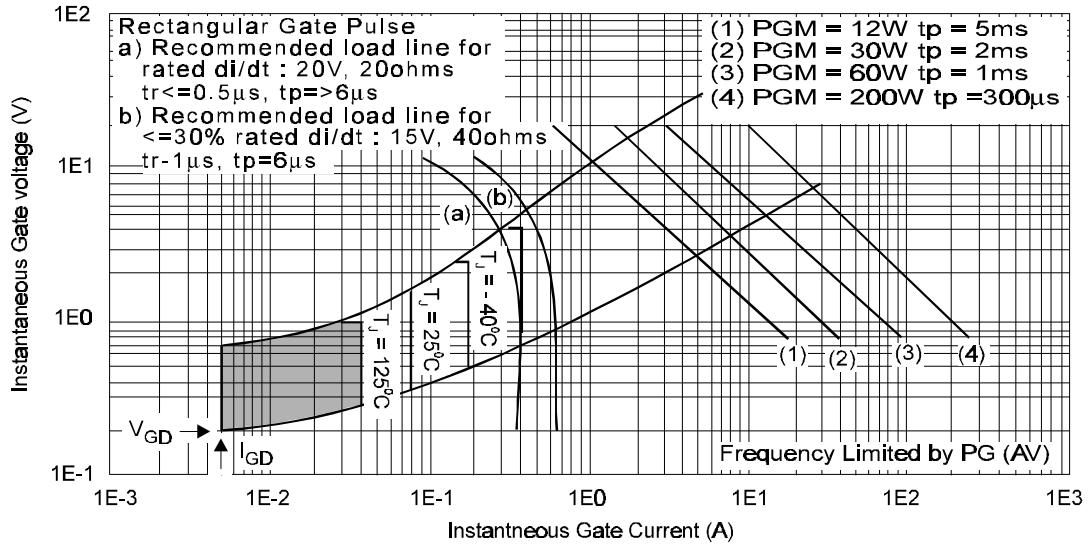
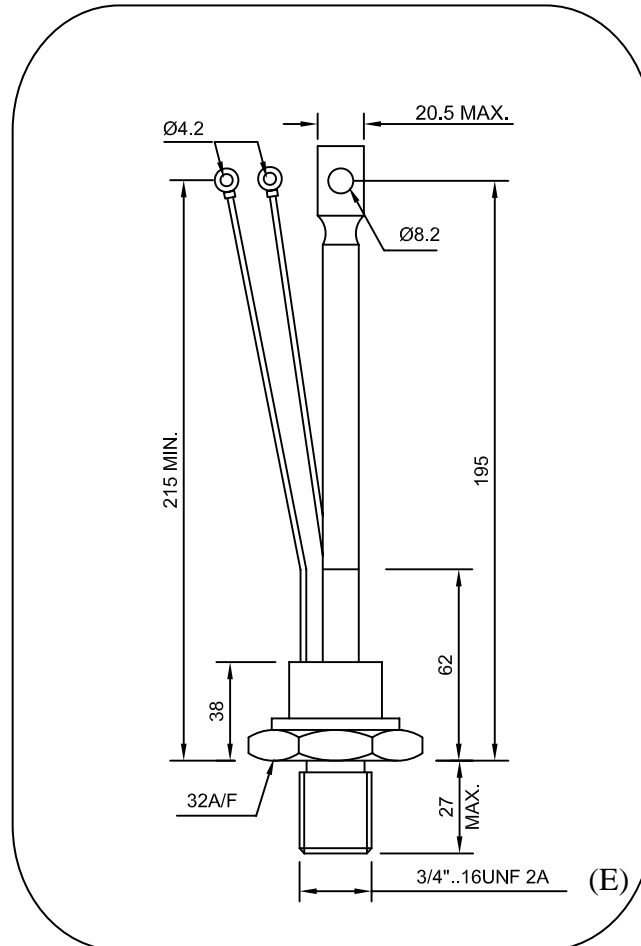


Fig. 9 - Gate Characteristics

PACKAGE OUTLINE



All dimension are in mm .

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