



Module Type

Diode

Maximum Ratings

Symbol	Item	Conditions	Values	Units
I_D	Output Current(D.C.)	$T_c=93$ Three phase full wave	150	A
I_{FSM}	Surge forward current	$t=10mS$ $T_{vj}=45$	1500	A
i^2t	Circuit Fusing Consideration		11250	A^2s
V_{isol}	Isolation Breakdown Voltage(R.M.S)	a.c.50HZ;r.m.s.;1min	3000	V
T_v	Operating Junction Temperature		-40 to +150	
T_{stg}	Storage Temperature		-40 to +125	
M_t	Mounting Torque	To terminals(M4)	$2\pm 15\%$	Nm
M_t		To terminals(M6)	5 15%	Nm
M_s		To heatsink(M6)	5 15%	Nm
Weight		Module Approximately	320	g





MT150DT-L2

Performance Curves

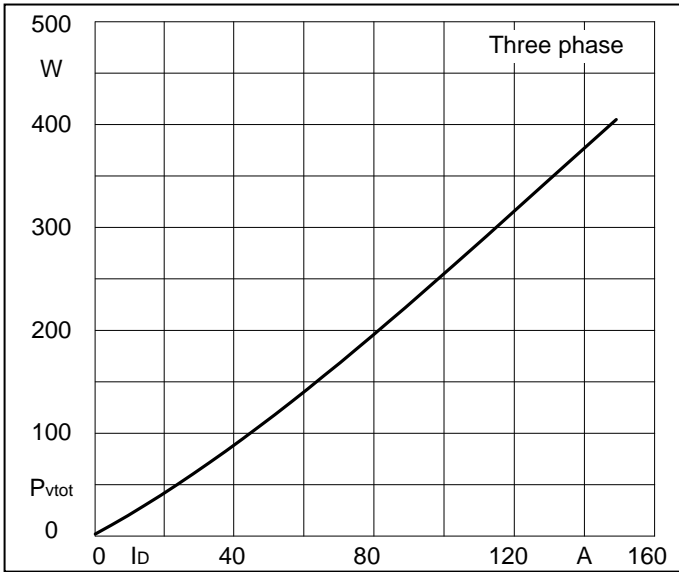


Fig1. Power dissipation

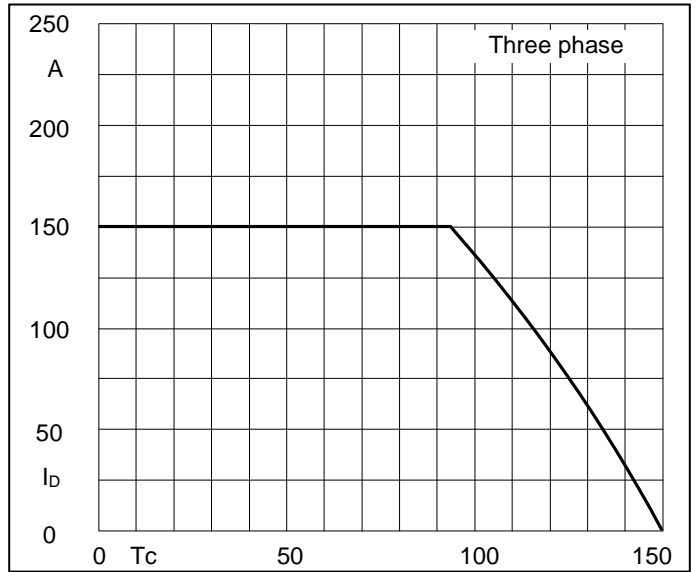


Fig2. Forward Current Derating Curve

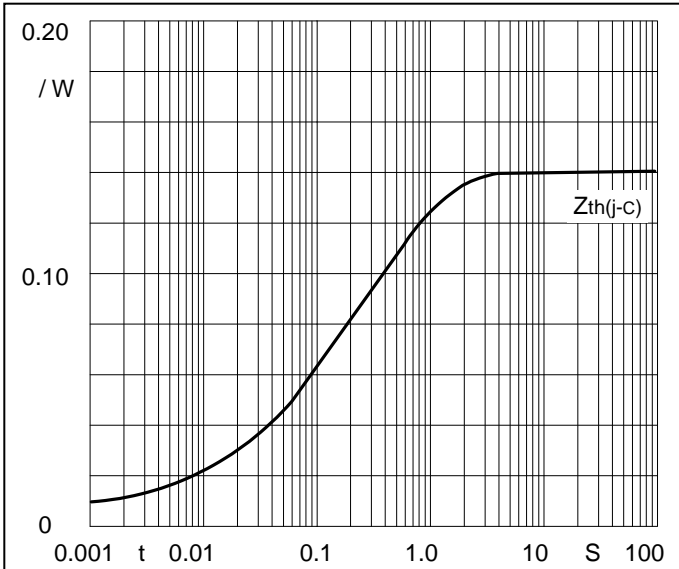


Fig3. Transient thermal impedance

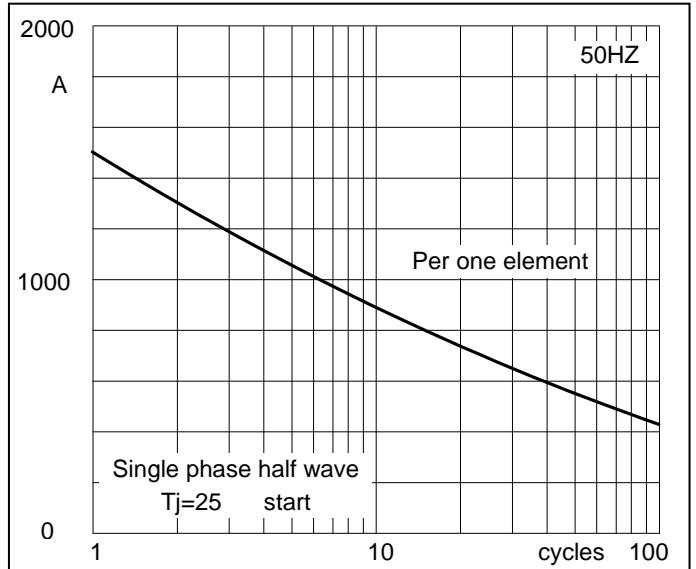


Fig4. Max Non-Repetitive Forward Surge Current



Fig5. Forward Characteristics

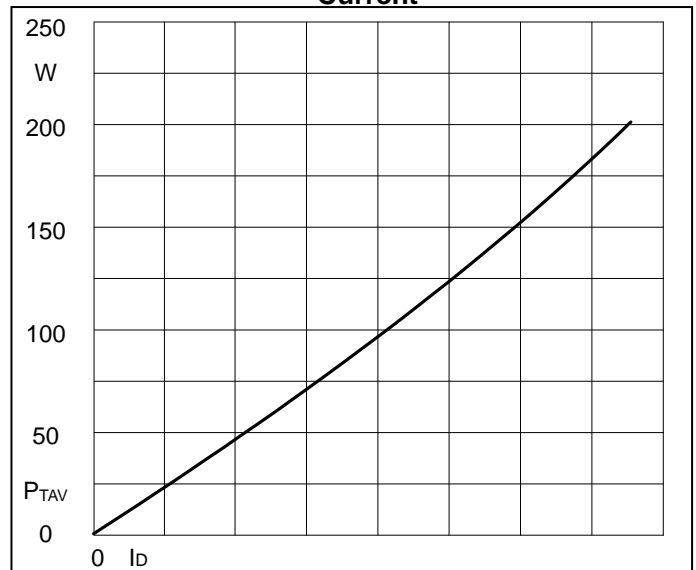


Fig6. SCR Power dissipation



MT150DT-L2

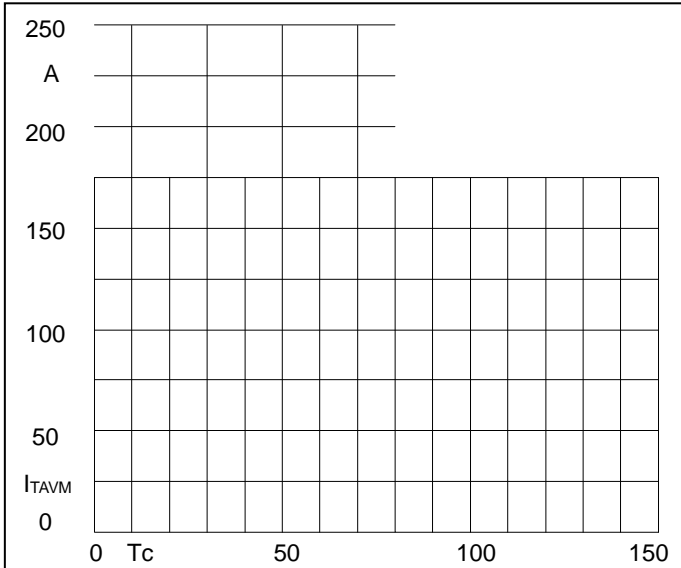


Fig7. SCR Forward Current Derating Curve

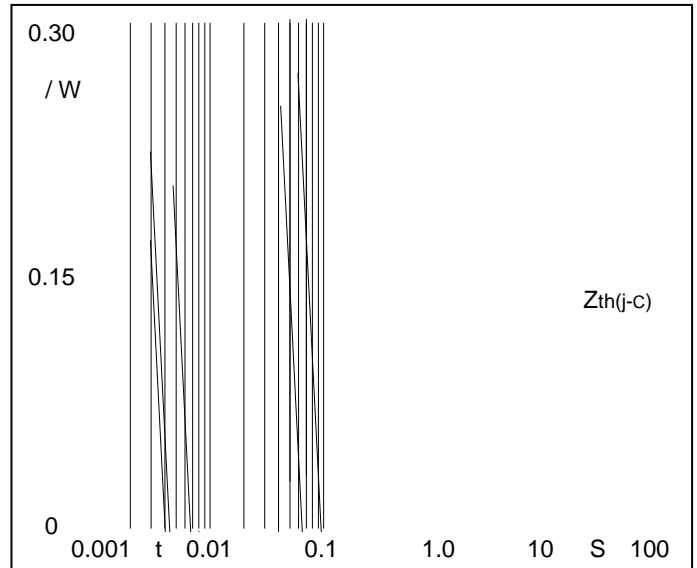


Fig8. SCR Transient thermal impedance

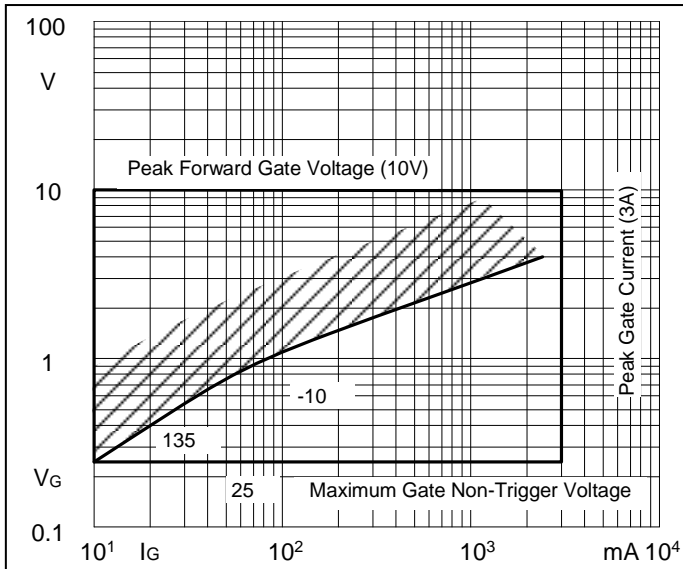
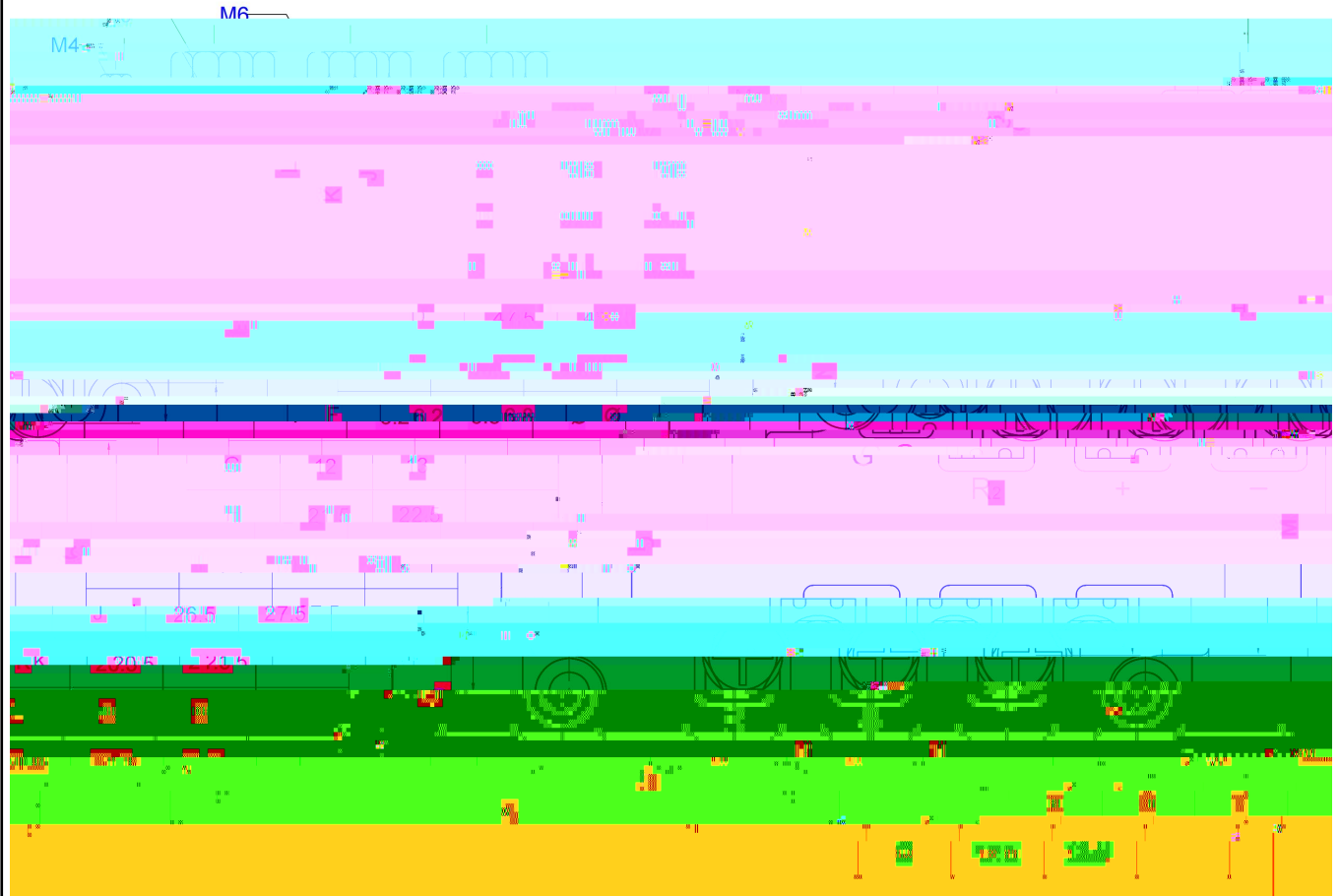


Fig9. Gate trigger Characteristics



Package Outline Information

CASE:



Packing Standard

Item	Length: A (mm)	Width: B (mm)	Height: C (mm)	Quantity (PCS)
Inner Box	276	258	48	4
Outer Carton	545	295	240	40



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