



Thyristor Modules

V_{RRM} / V_{DRM}	800~1800V
I_{TAV}	90A

Module Type

Maximum Ratings

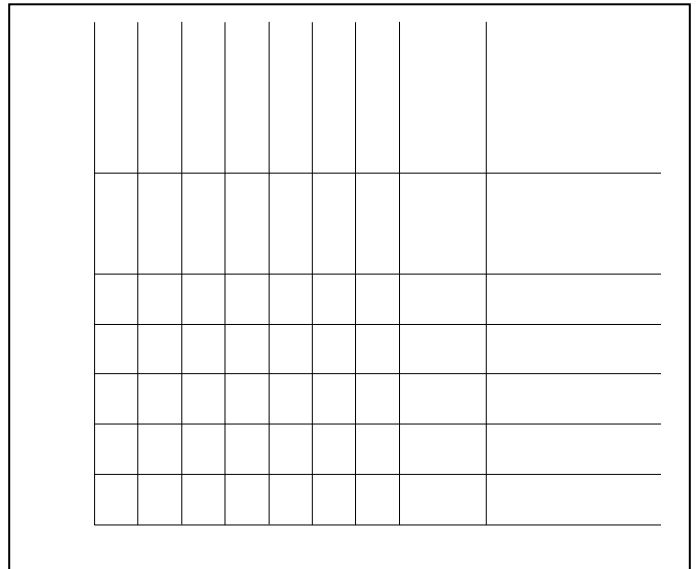
Thermal Characteristics



Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
V_{TM}	$T=25^{\circ}C$ $I_{TM}=300A$			1.65	V
I_{RRM}/I_{DRM}	$T_{VJ}=T_{VJM}$, $V_R=V_{RRM}$, $V_D=V_{DRM}$			20	mA
V_{TO}	For power-loss calculations only ($T_{VJ}=125^{\circ}C$)			0.9	V
r_T	$T_{VJ}=T_{VJM}$			2	m
V_{GT}	$T_{VJ}=25^{\circ}C$, $V_D=6V$			3	V
I_{GT}	$T_{VJ}=25^{\circ}C$, $V_D=6V$			150	mA
V_{GD}	$T_{VJ}=125^{\circ}C$, $V_D=2/3V_{DRM}$			0.25	V
I_{GD}	$T_{VJ}=125^{\circ}C$, $V_D=2/3V_{DRM}$			6	mA
I_L	$T_{VJ}=25^{\circ}C$, $R_G=33$		300	600	mA
I_H	$T_{VJ}=25^{\circ}C$, $V_D=6V$		150	250	mA
tgδ	$T_{VJ}=25^{\circ}C$, $I_G=1A$, $di_G/dt=1A/us$	1			us
tq	$T_{VJ}=T_{VJM}$	100			us

Performance Curves



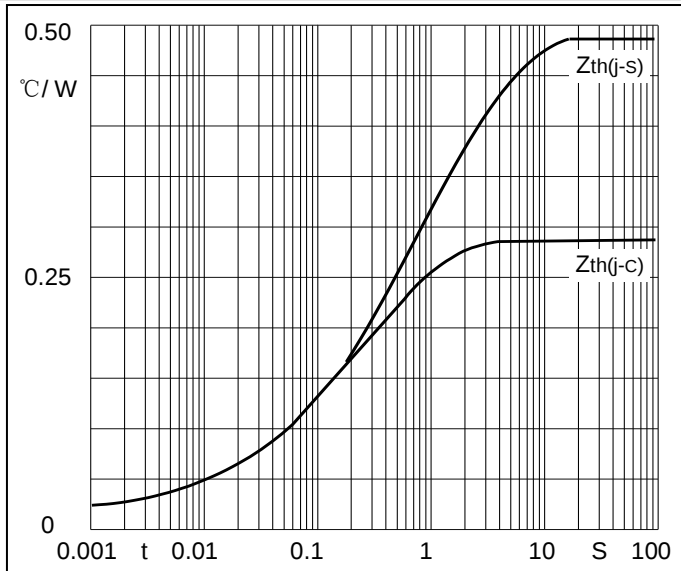


Fig3. Transient thermal impedance

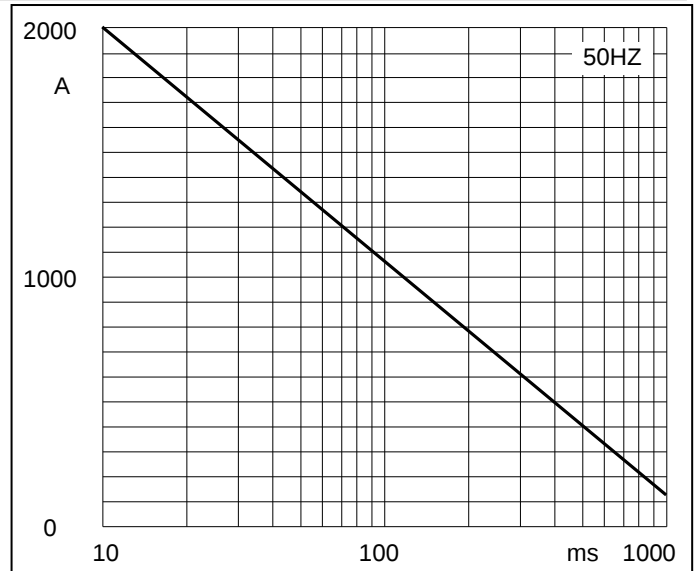


Fig4. Max Non-Repetitive Forward Surge Current

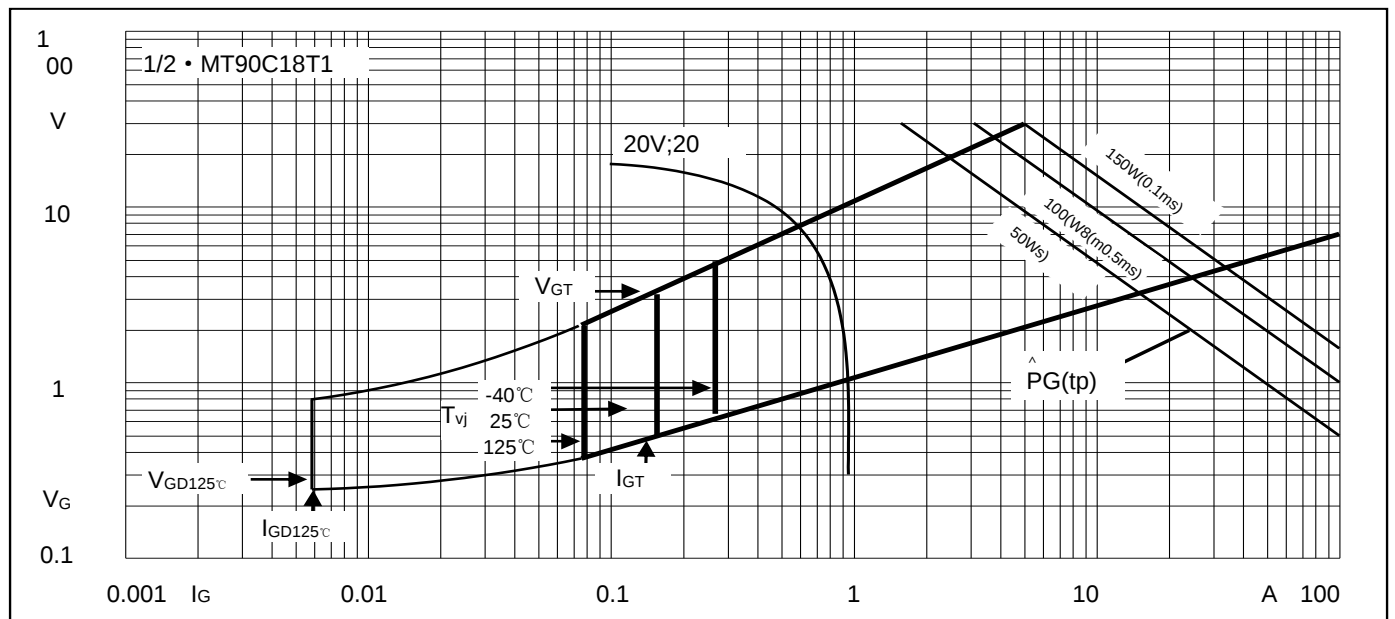
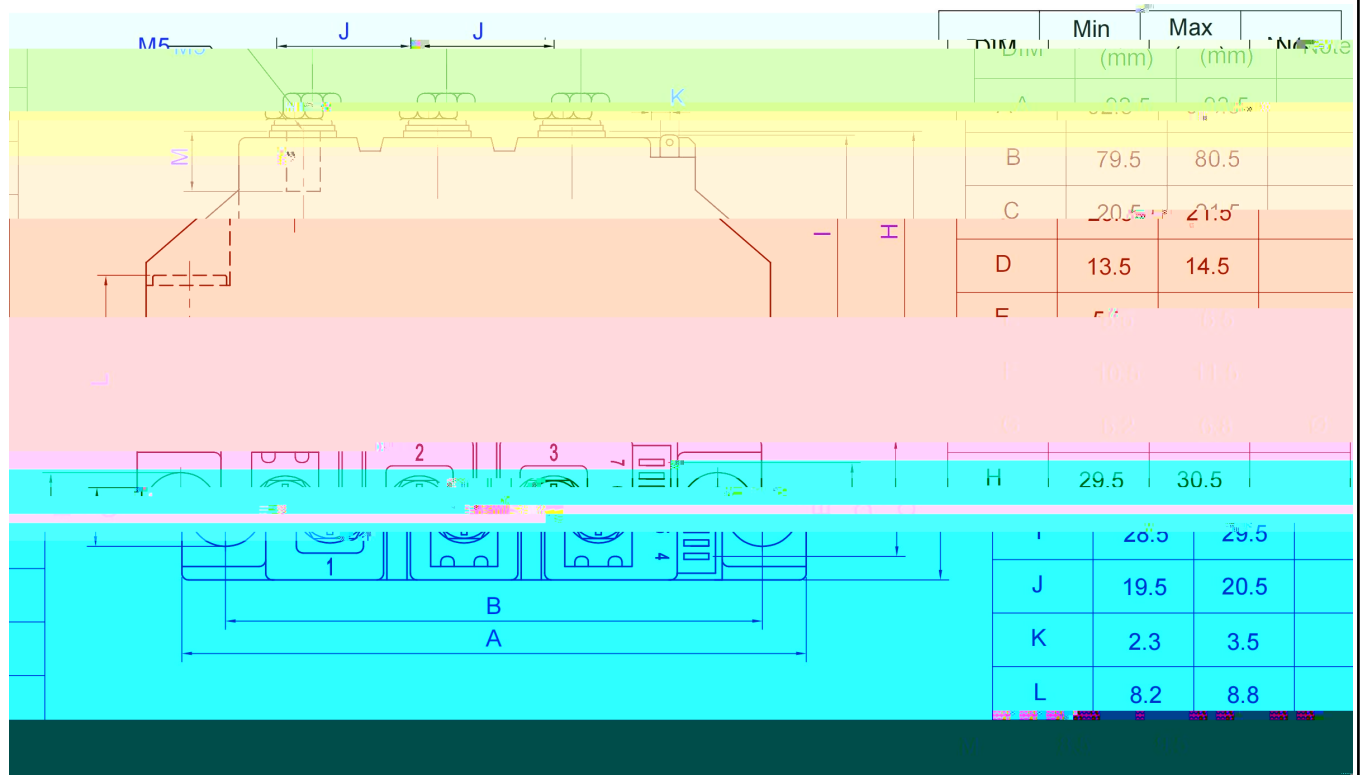


Fig5. Gate trigger Characteristics



Package Outline Information

CASE: T1



Item	Length: A (mm)	Width: B (mm)	Height: C (mm)	Quantity (PCS)
Inner Box	267	825	84	1
Outer Carton	554	595	204	1



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