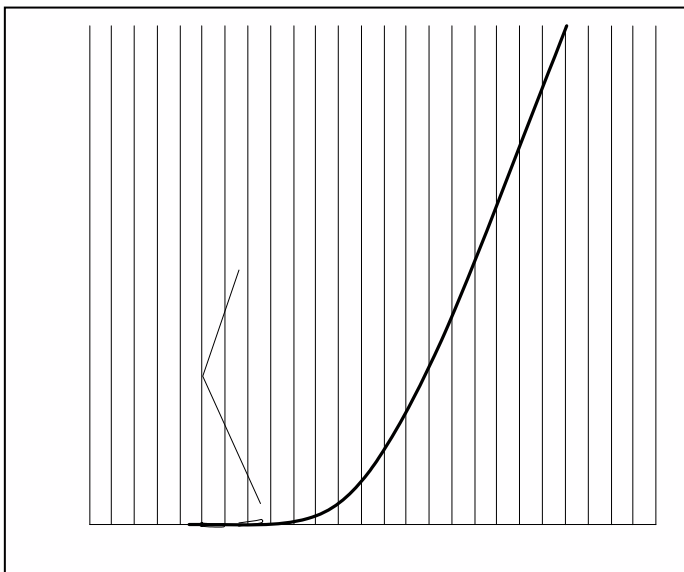
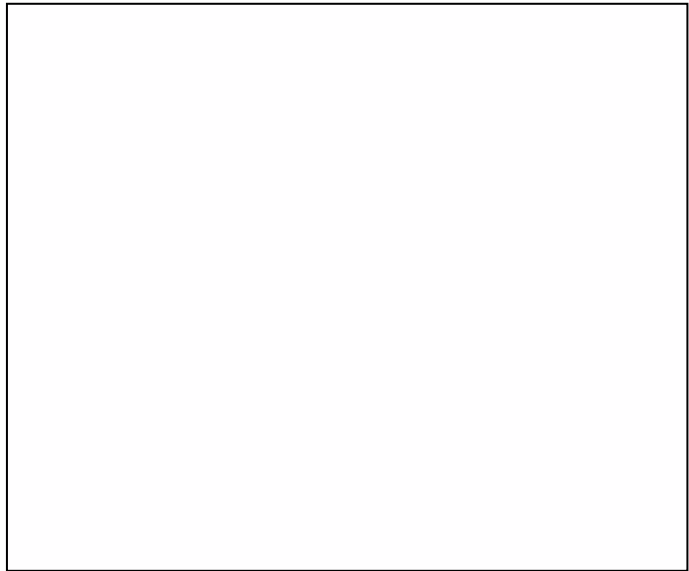
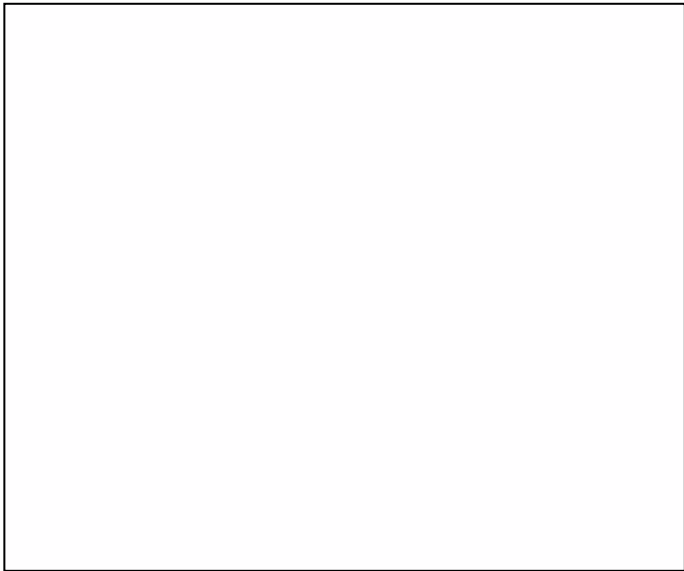
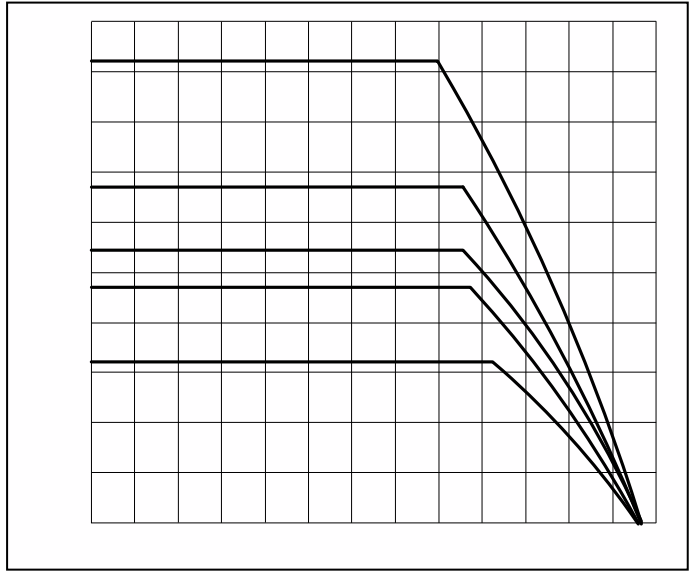
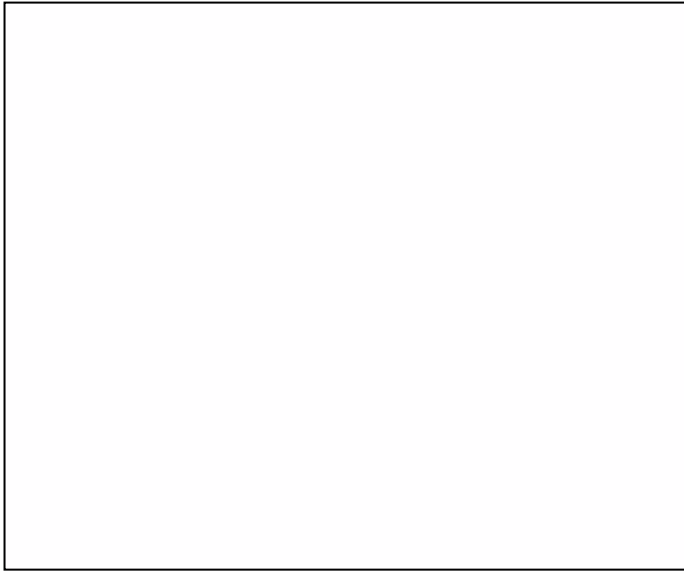


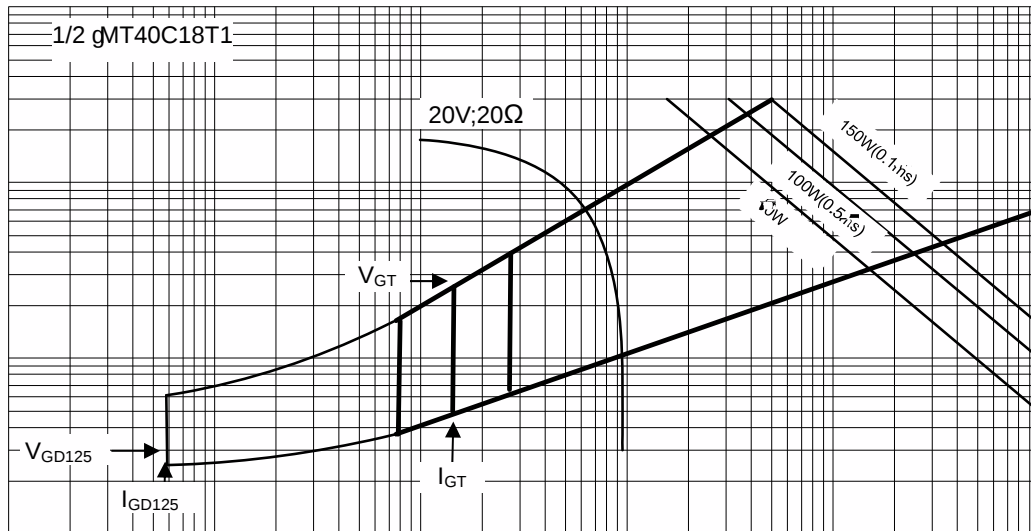
Ms	To heatsink(M6)	5 f 15%	Nm
di/dt	$T_{VJ}=T_{VJM}, 2/3V_{DRM}, I_G=500mA$ $Tr<0.5\mu s, tp>6\mu s$	150	A/us
dv/dt	$T_J=T_{VJM}, 2/3V_{DRM}$ linear voltage rise	1000	V/us

Table

Symbol	Condition	Value			Unit
		Min	Typ	Max	
V_{TM}	$T=25^{\circ}C$ $I_{TM}=200A$			1.95	V
I_{RRM}/I_{DRM}	$T_{VJ}=T_{VJM}$, $V_R=V_{RRM}$, $V_D=V_{DRM}$			15	mA
V_{TO}	For power-loss calculations only ($T_{VJ}=125^{\circ}C$)			1.0	V
r_T	$T_{VJ}=T_{VJM}$			4.5	m Ω
V_{GT}	$T_{VJ}=25^{\circ}C$, $V_D=6V$			2.5	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	$T_{VJ}=25^{\circ}C$, $R_G=33\Omega$		300	600	mA
I_H	$T_{VJ}=25^{\circ}C$, $V_D=6V$		150	250	mA
tg δ	$T_{VJ}=25^{\circ}C$, $I_G=1A$, $di_G/dt=1A/\mu s$	1			μs
tq	$T_{VJ}=T_{VJM}$	80			μs

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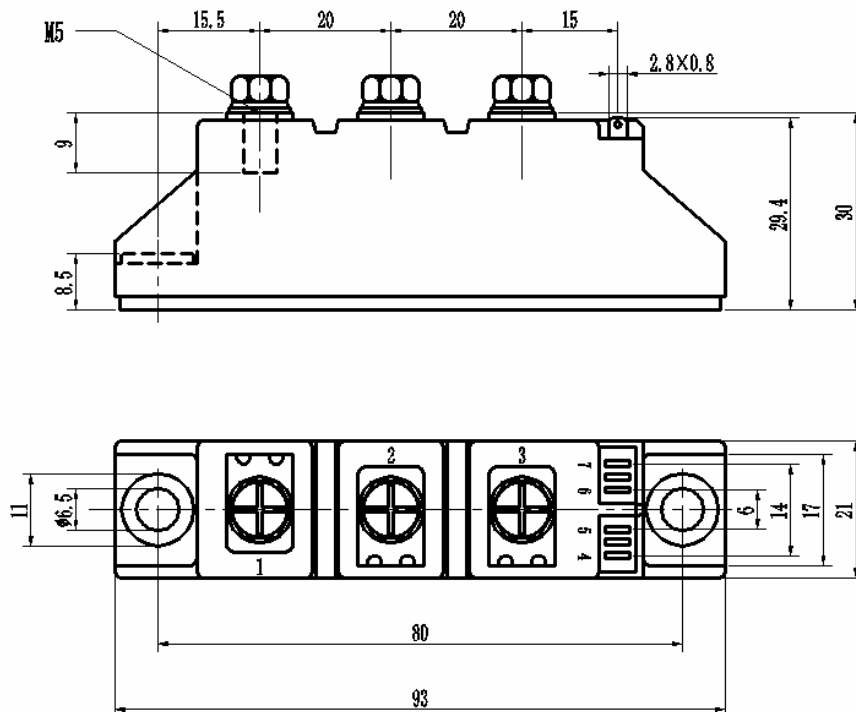




5. 00th

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