



Thyristor Modules

V_{RRM}

Module Type

MT160C08T2	800V	900V
MT160C12T2	1200V	1300V
MT160C16T2	1600V	1700V
MT160C18T2	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
I_{TAV}	Sine 180° ; $T_c=85$	160	A
I_{TSM}	$T_{VJ}=45$ $t=10ms$, sine	5400	A
	$T_{VJ}=125$ $t=10ms$, sine	5000	
i^2t	$T_{VJ}=45$ $t=10ms$, sine	145000	A ² s
	$T_{VJ}=125$ $t=10ms$, sine	125000	
Visol	a.c.50HZ;r.m.s.;1min	3000	V
T_{vj}		-40 to 130	
T_{stg}		-40 to 125	
Mt	To terminals(M6)	$3 \pm 15\%$	Nm
Ms	To heatsink(M6)	$5 \pm 15\%$	Nm
di/dt	$T_{VJ}=T_{VJM}$, $2/3V_{DRM}$, $I_G=500mA$ $Tr<0.5\mu s, tp>6\mu s$ $Tr<.1 A/$		

Thermal Characteristics

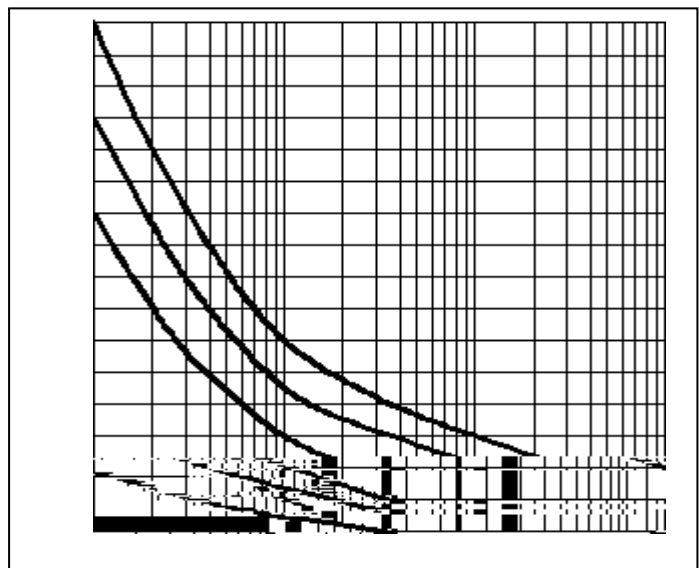
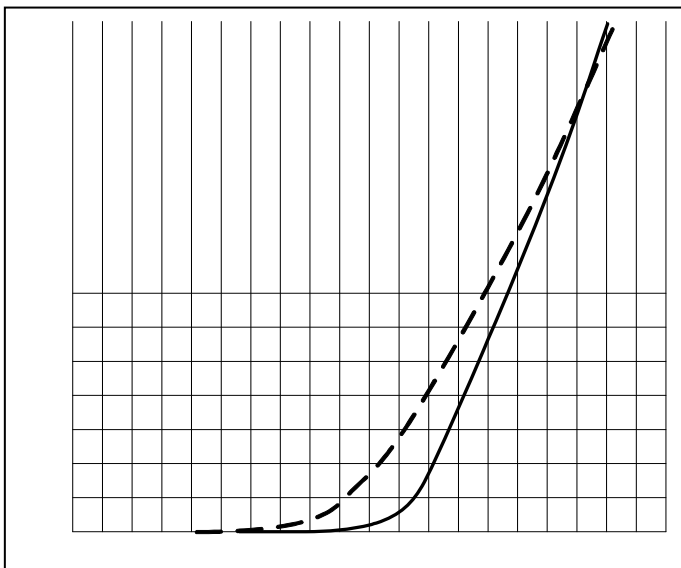
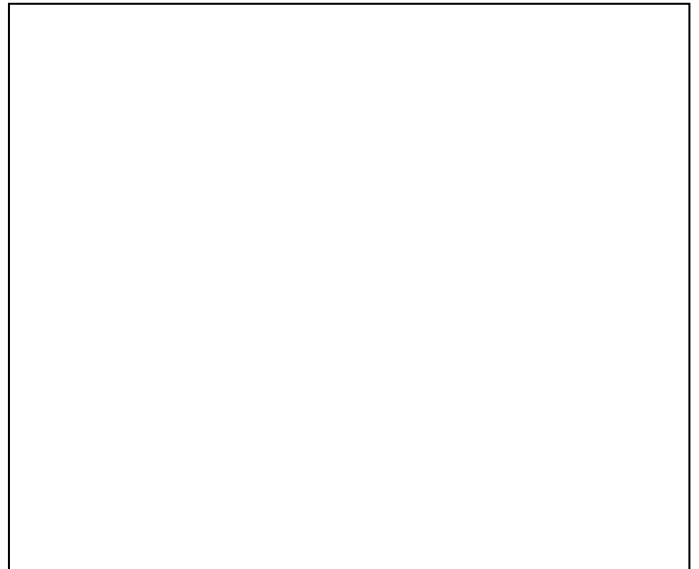
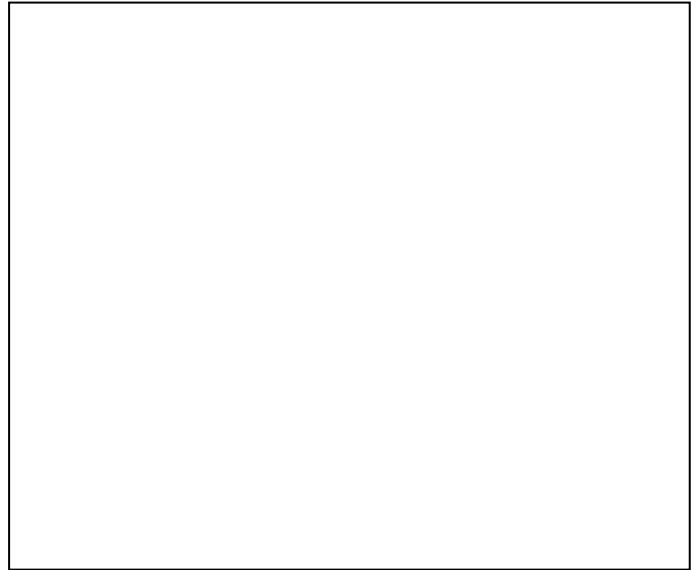
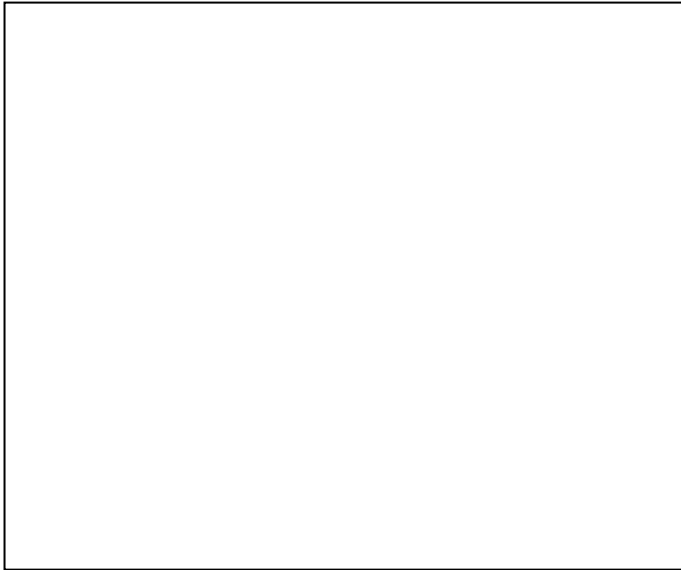


Electrical Characteristics

Symbol	Conditions	Values	Units
		Min.	



Performance Curves



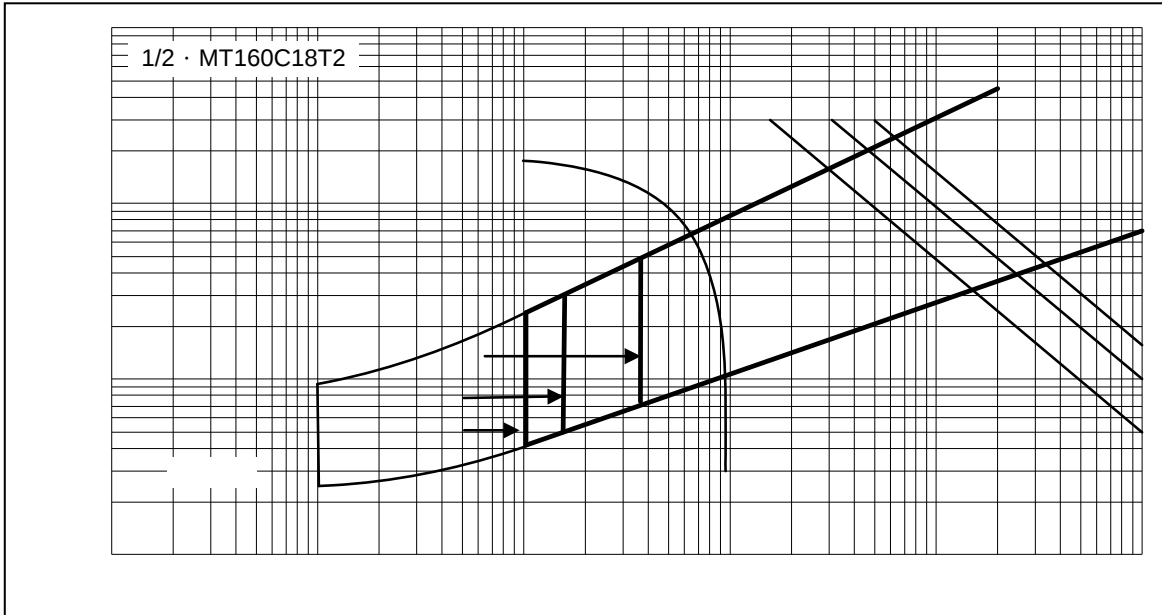
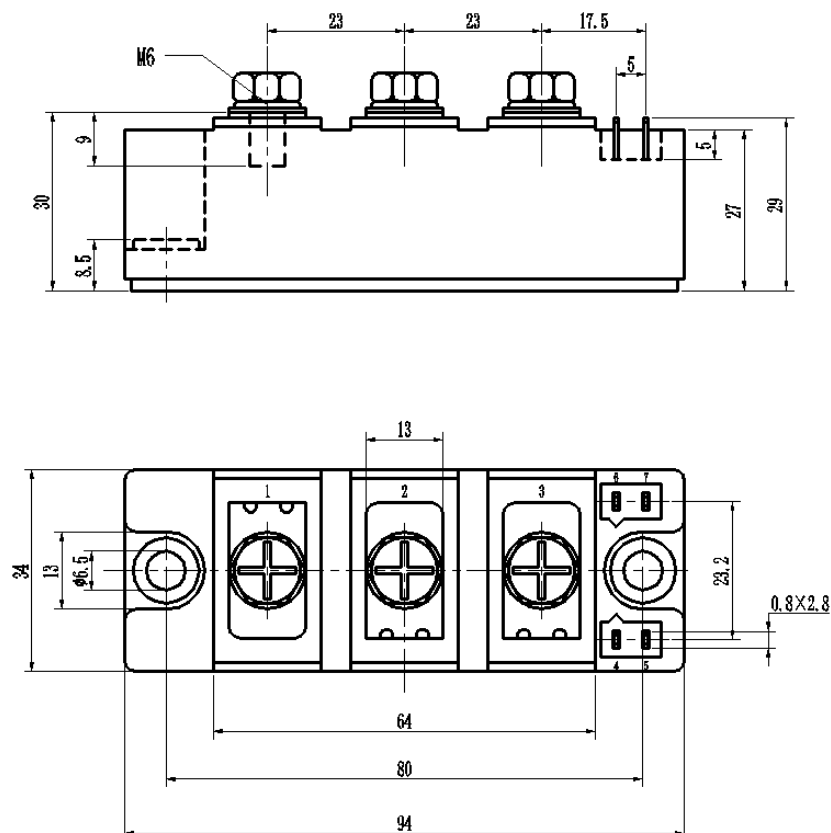


Fig7. Gate trigger Characteristics

Package Outline Information

CASE: T2



Dimensions in mm