



Thyristor Modules

VRRM

Module Type

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

Maximum Ratings

Symbol	Conditions	Values	Units
I_{TAV}	Sine 180°;Tc=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	A2s
	$T_{VJ}=125$ t=10ms, sine	125000	
Visol	a.c.50HZ;r.m.s.;1min	3000	V
Tvj		-40 to 130	
Tstg		-40 to 125	
Mt	To terminals(M6)	3± 15%	Nm
Ms	To heatsink(M6)	5± 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

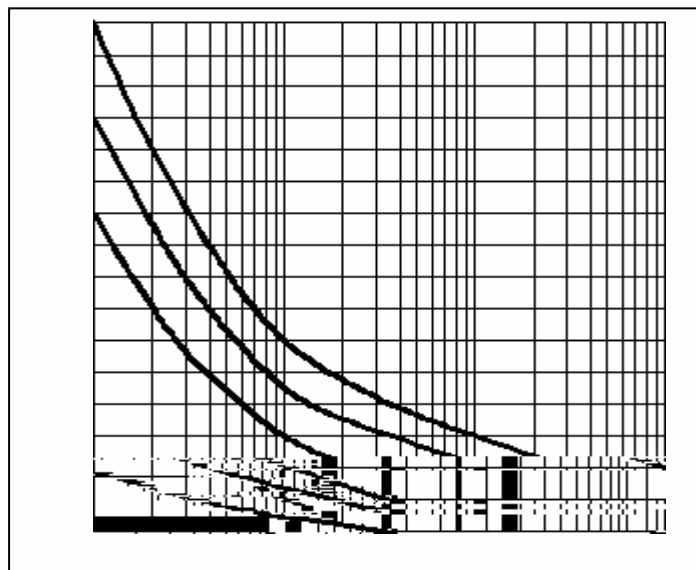
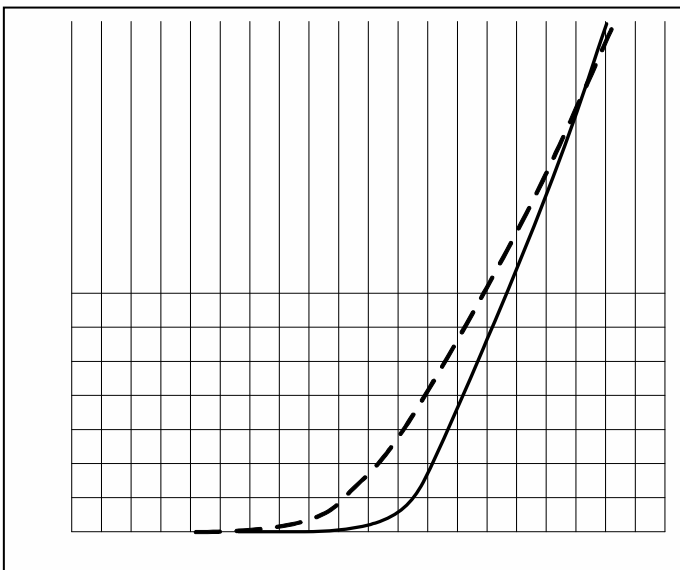
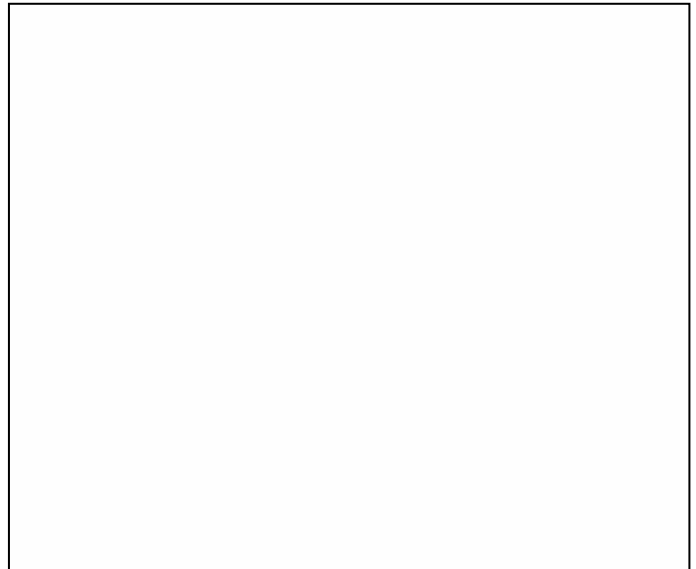
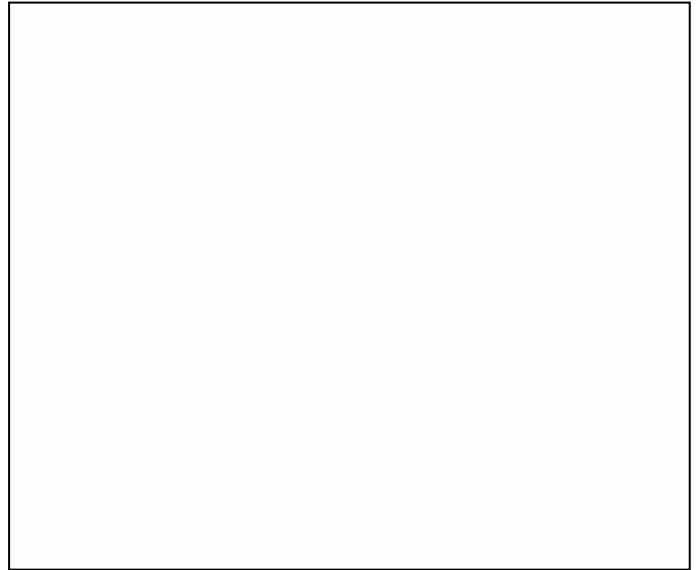
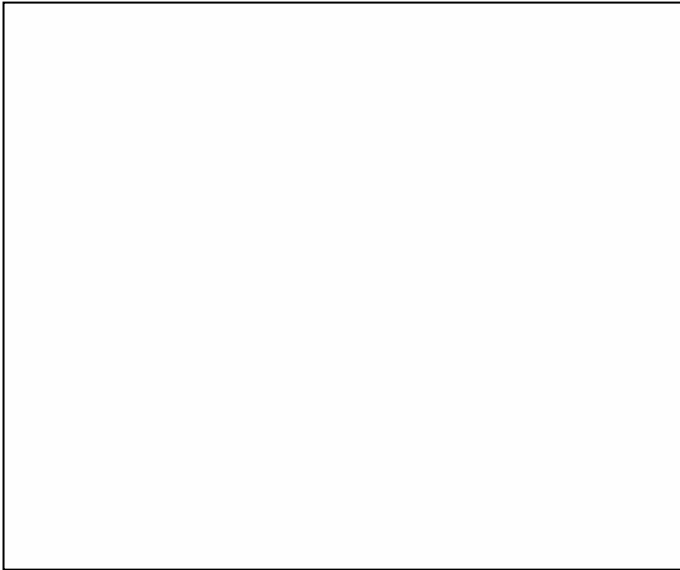


Electrical Characteristics

Symbol	Conditions	Values	Units
		Min.	



Performance Curves



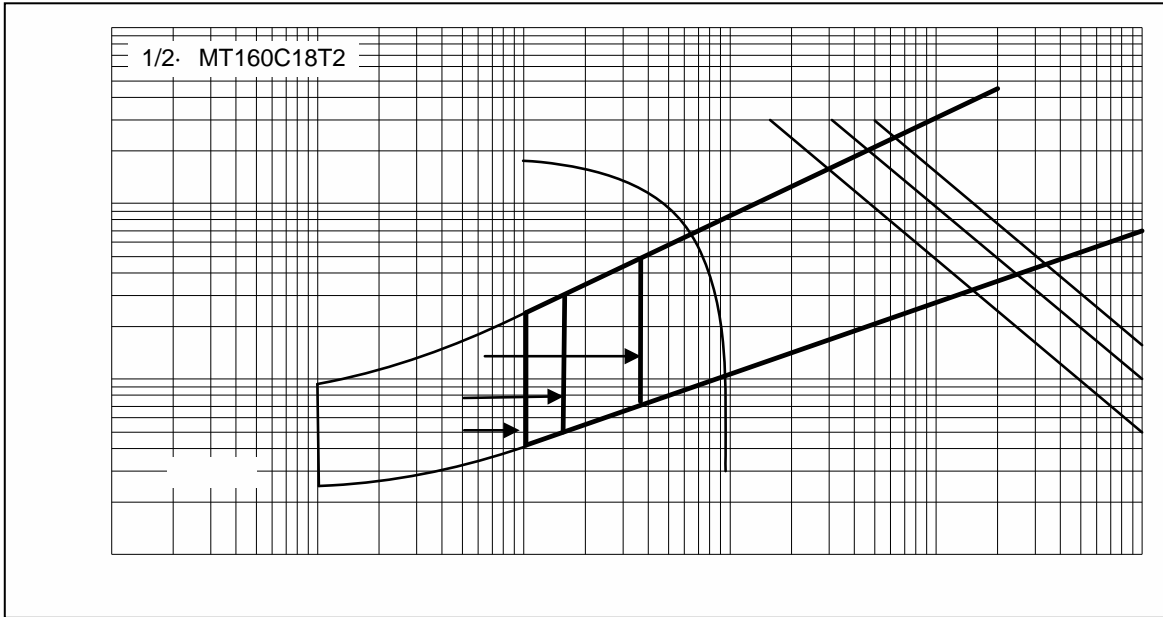
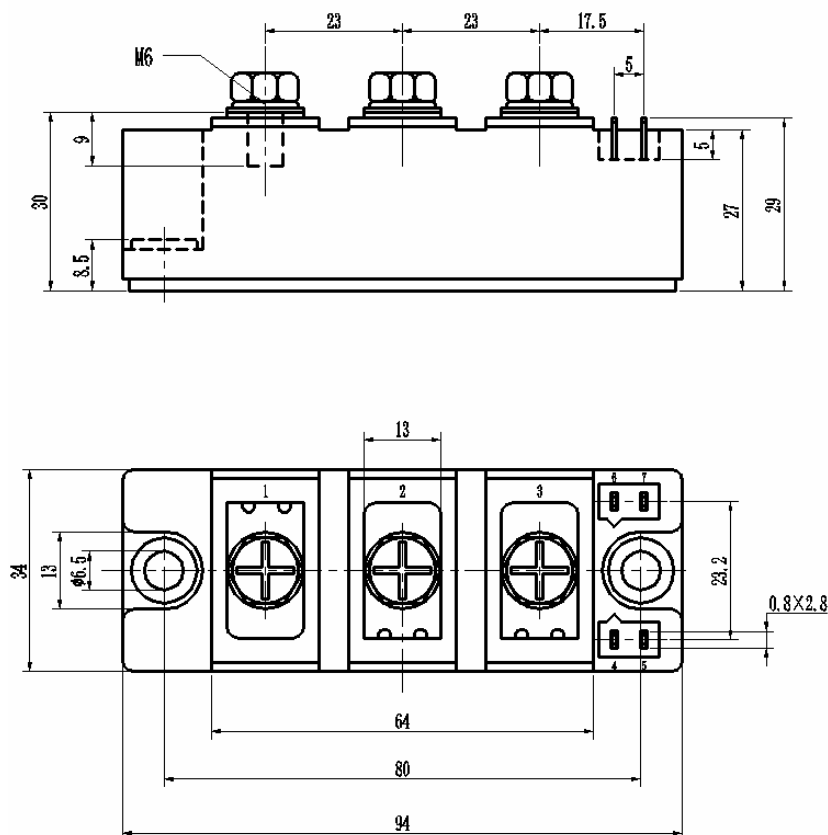


Fig7. Gate trigger Characteristics

Package Outline Information

CASE: T2



Dimensions in mm