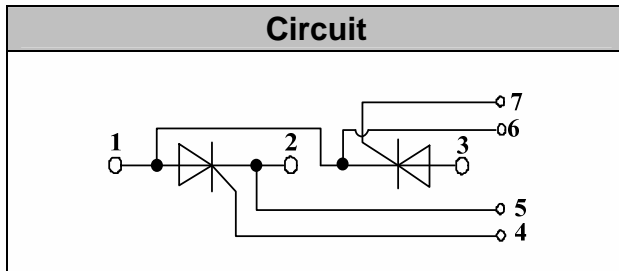
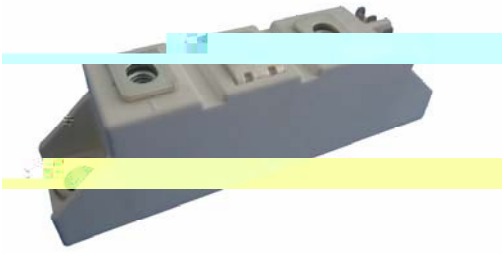


Thyristor Module

VRRM / VDRM 800 to 1800V
ITAV 25A

Applications

MT25C08T1	Power Converter	Tc=222	Tw5V	800V
MT25C12T1				1200V
MT25C16T1				1600V
MT25C18T1				1800V



Module Type

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Maximum Ratings

Symbol	Conditions	Values	Units
I_{TAV}	Sine 180°;Tc=85	25	A
I_{TSM}	$T_{VJ}=45$ t=10ms, sine	550	A
	$T_{VJ}=125$ t=10ms, sine	480	
i^2t	$T_{VJ}=45$ t=10ms, sine	1500	A ² s
	$T_{VJ}=125$ t=10ms, sine	1150	
Visol	a.c.50HZ;r.m.s.;1min	3000	V
Tvj		-40 to 125	
Tstg		-40 to 125	
Mt	To terminals(M5)	3± 15%	Nm
Ms	To heatsink(M6)	5± 15%	Nm
di/dt	$T_{VJ}= T_{VJM}$, 2/3V _{DRM} ,I _G =500mA Tr<0.5us,tp>6us	150	A/us
dv/dt	$T_J= T_{VJM}$,2/3V _{DRM} linear voltage rise	1000	V/us
a	Maximum allowable acceleration	50	m/s ²
Weight	Module(Approximately)	100	g

Thermal Characteristics

Symbol	Conditions	Values	Units
Rth(j-c)	Cont.;per thyristor / per module	0.9/0.45	/W
Rth(c-s)	per thyristor / per module	0.2/0.1	/W



MT25C-T1



Perform

