

Thyristor Modules



VRRM / VDRM 800 to 1800V
ITAV 90A

Features

- International standard package
- High Surge Capability
- Glass passivated chip
- Simple Mounting
- RRM

Module Type

Module Type	VRRM / VDRM (V)	ITAV (A)
MT90C08T1	800V	90A
MT90C12T1	1200V	90A
MT90C16T1	1600V	90A
MT90C18T1	1800V	90A

Maximum Ratings

Symbol	Conditions	Values	Units
I_{TAV}	Sine 180°; $T_c=85$	90	A
I_{TSM}	$T_{VJ}=45$ t=10ms, sine	2000	A
	$T_{VJ}=125$ t=10ms, sine	1750	
i^2t	$T_{VJ}=45$ t=10ms, sine	20000	A ² s
	$T_{VJ}=125$ t=10ms, sine	15000	
Visol	a.c.50HZ;r.m.s.;1min	3000	V
T_{vj}		-40 to 130	
T_{stg}		-40 to 125	
Mt	To terminals(M5)	3± 15%	Nm
Ms	To heatsink(M6)	5± 15%	Nm

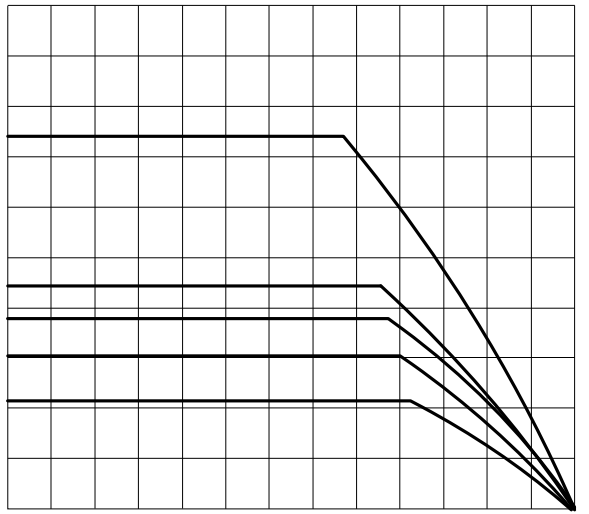
Thermal Characteristics



MT90C-T1

RoHS
COMPLIANT

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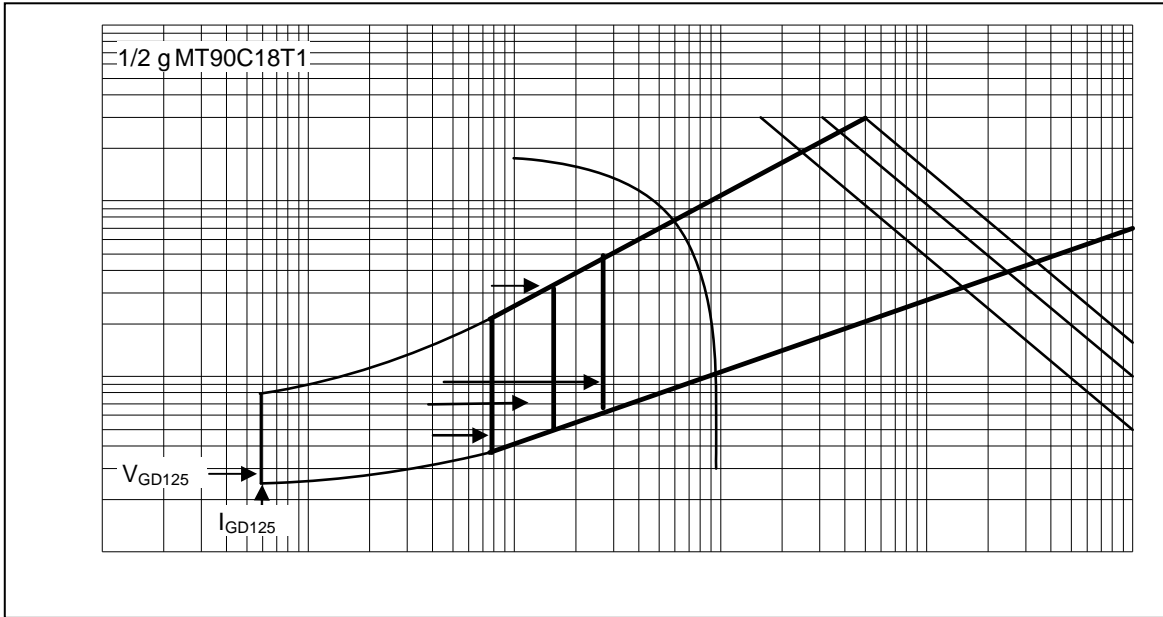


Fig6. Gate trigger Characteristics

Package Outline Information

CASE: T1

Dimensions in mm