

Thyristor Modules



V_{RRM} / V_{DRM} 800 to 1800V
I_{TAV} 90A

Features

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

Module Type

MT90C08T1	800V	900V
MT90C12T1	1200V	1300V
MT90C16T1	1600V	1700V
MT90C18T1	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
I _{TAV}	Sine 180°;T _c =85	90	A
I _{TSM}	T _{VJ} =45 t=10ms, sine T _{VJ} =125 t=10ms, sine	2000 1750	A
i ² t	T _{VJ} =45 t=10ms, sine T _{VJ} =125 t=10ms, sine	20000 15000	A2s
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

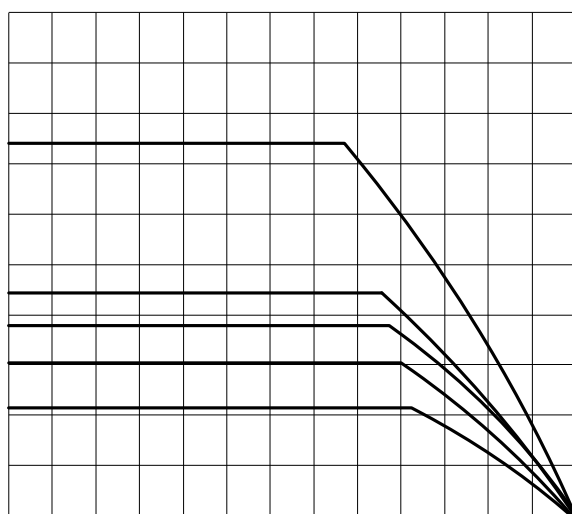
Thermal Characteristics



MT90C-T1

RoHS
COMPLIANT

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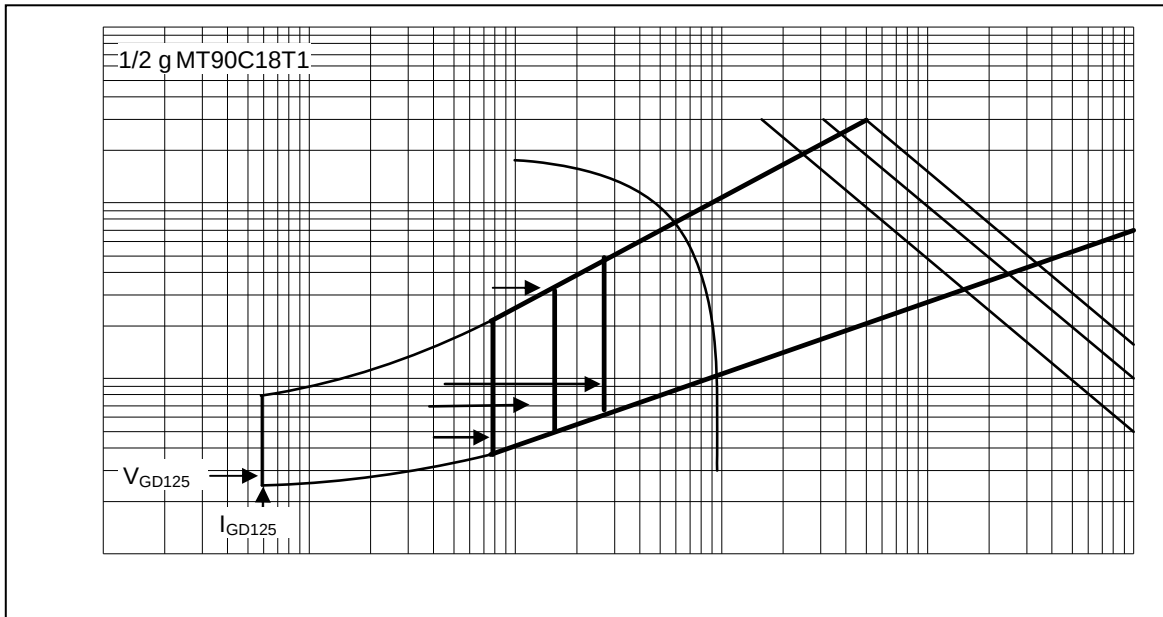


Fig6. Gate trigger Characteristics

Package Outline Information

CASE: T1

Dimensions in mm