



Thyristor Modules

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

Features

International standard package
High Surge Capability
Glass passivated chip
Simple Mounting
Heat transfer through aluminum oxide DBC
ceramic isolated metal baseplate

Module Type

TYPE	V _{RRM}	V _{RSM}
MT90C08T1D	800V	900V
MT90C12T1D	1200V	1300V
MT90C16T1D	1600V	1700V
MT90C18T1D	1800V	1900V

Maximum Ratings

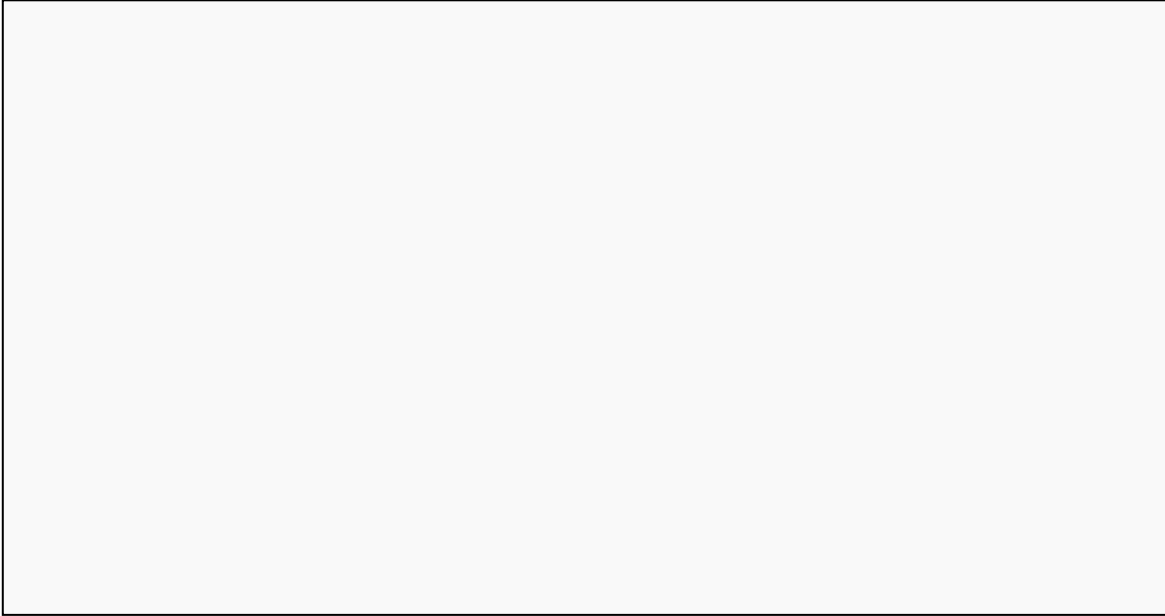
Symbol	Conditions	Values	Units
I_T	$T_{VJ}=45$ $T_{VJ}=125$	2000 1750	A
i^2t	$t=10ms$, sine	20000	A ² s
$Visol$	$t=10ms$, sine	15000	
	a.c.50HZ;r.m.s.;1min	3000	V
T_{vj}		-40 to 130	

Thermal Characteristics



MT90C-T1D





Package Outline Information

