MD75S-M2

RoHS COMPLIANT

Circuit

Module Type

TYPE	VRRM	VRSM
MD75S08M2	800V	900V
MD75S12M2	1200V	1300V
MD75S16M2	1600V	1700V
MD75S18M2	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
I_D	Three phase, full wave Tc=110	75	A
I_{FSM}	t=10mS Tvj =45	750	A
i^2t	t=10mS Tvj =45	2800	A^2s
V_{isol}	a.c.50HZ;r.m.s.;1min	3000	V
T_{vj}		-40 to +150	
T_{stg}		-40 to +125	
Mt	To terminals(M5)	5±15%	Nm
Ms	To heatsink(M5)	5±15%	Nm
Weight	Module (Approximately)	130	g

Thermal Characteristics

Symbol	Conditions	Values	Units
Rth(j-c)	Per diode	1.1	/W
Rth(c-s)	Module (Approximately)	0.07	/W

Electrical Characteristics

Performance Curves

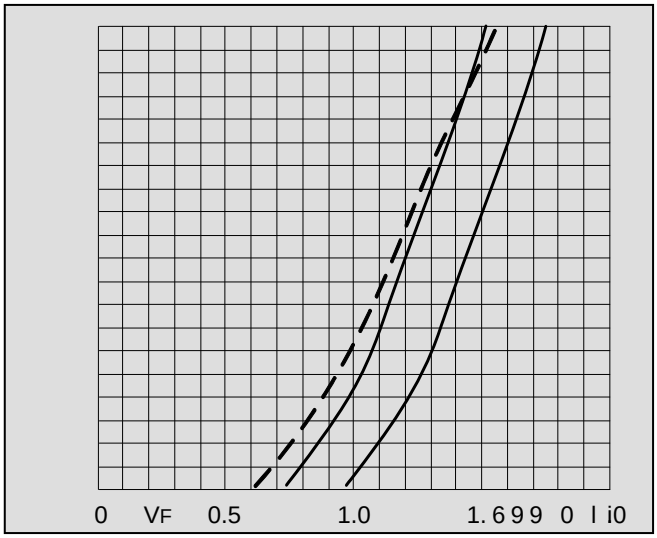


Fig1. Forward Characteristics

Fig2. Power dissipation

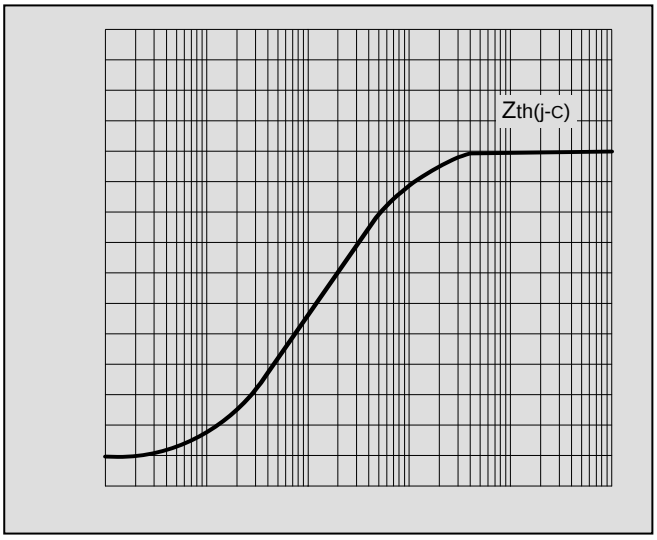


Fig3. Transient thermal impedance

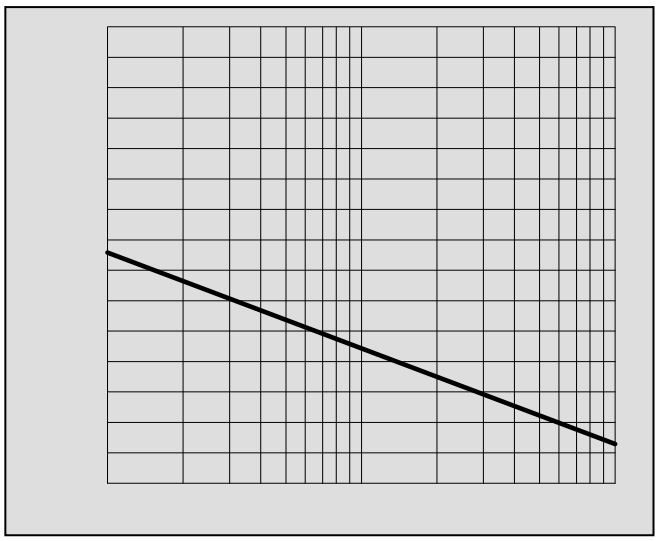
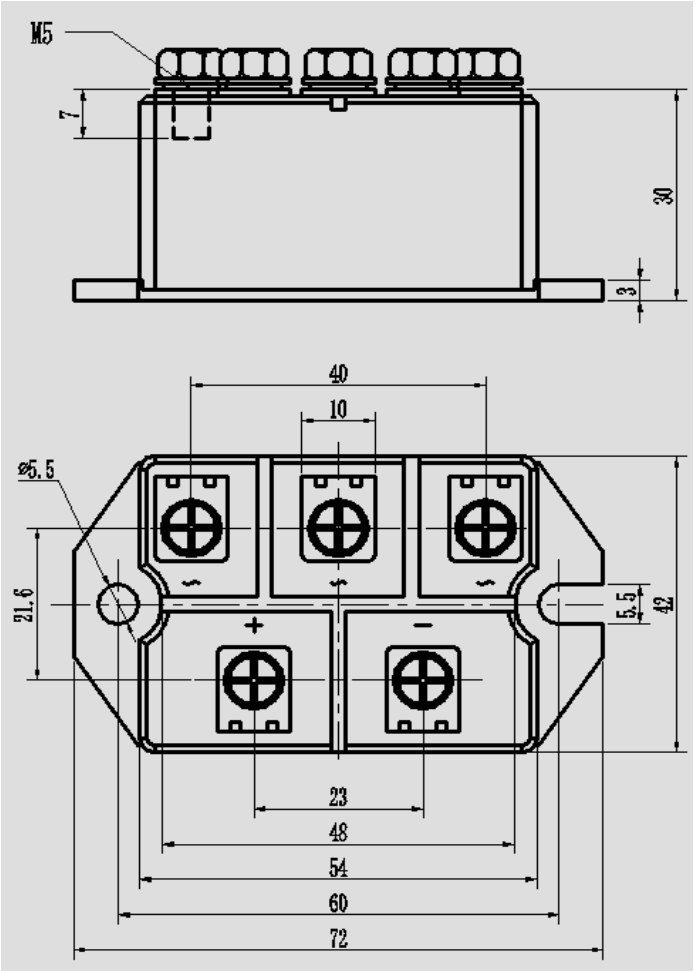


Fig4. Max Non-Repetitive Forward Surge Current

Fig5.Forward Current Derating Curve

Package Outline Information

CASE M2



Dimensions in mm