



Glass Passivated Three Phase Rectifier Bridge

VRRM 800 to 1800V
ID 250 A

Circuit

Features

Module Type

TYPE	VRRM	VRSM
MD250S08M3	800V	900V
MD250S12M3	1200V	1300V
MD250S16M3	1600V	1700V
MD250S18M3	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
ID	Three phase, full wave Tc=100	250	A
IFSM	t=10mS Tvj =45	2500	A
i ² t	t=10mS Tvj =45	31250	A ² s
Visol	a.c.50HZ;r.m.s.;1min	3000	V
Tvj		-40 to +150	
Tstg		-40 to +125	
Mt	To terminals (M6)	5±15%	Nm
Ms	To heatsink (M6)	5±15%	Nm
Weight	Module (Approximately)	230	g

Thermal Characteristics

Symbol	Conditions	Values	Units
Rth(j-c)	Per diode	0.36	/W
Rth(c-s)	Module (Approximately)	0.02	/W

Electrical Characteristics

Performance Curves

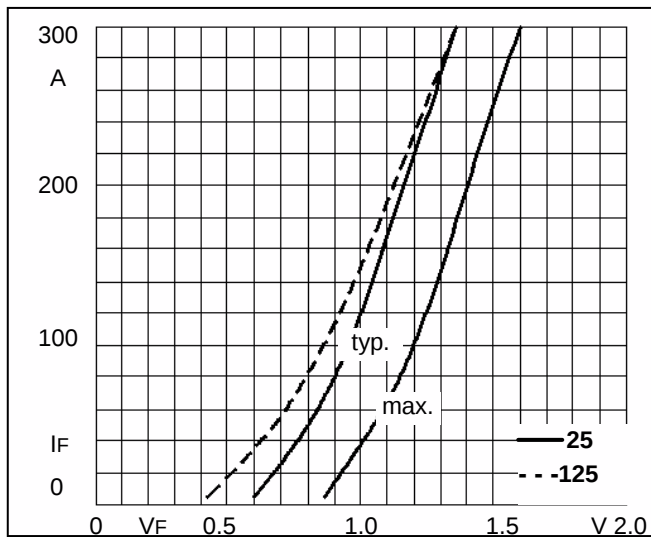


Fig1. Forward Characteristics

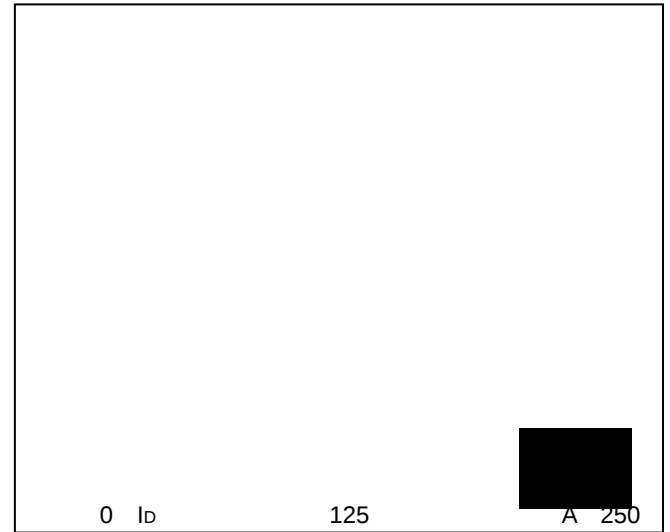


Fig2. Power dissipation

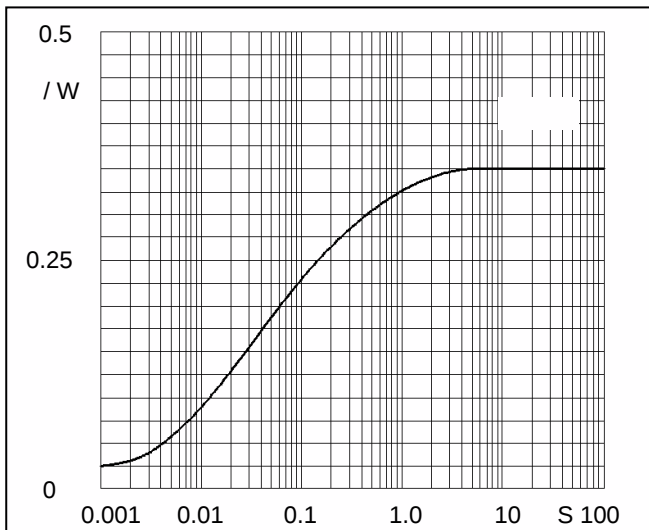


Fig3. Transient thermal impedance

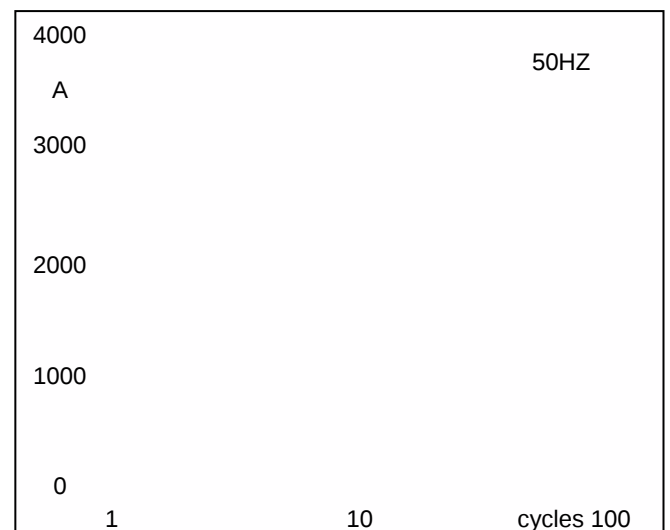


Fig4. Max Non-Repetitive Forward Surge Current

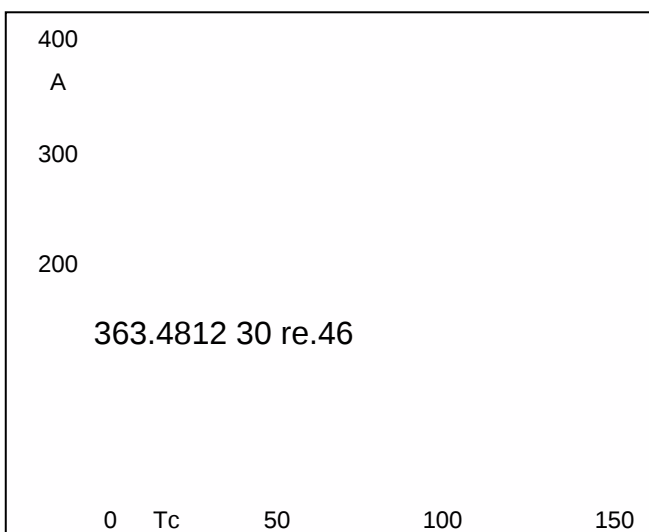


Fig5. Forward Current Derating Curve

