

Glass Passivated Rectifier Diode Modules

VRRM 800 to 1800V
IFAV 60 A



Module Type

TYPE			VRRM	VRSM
MD60C08D1	MD60A08D1	MD60K08D1	800V	900V
MD60C12D1	MD60A12D1	MD60K12D1	1200V	1300V
MD60C16D1	MD60A16D1	MD60K16D1	1600V	1700V
MD60C18D1	MD60A18D1	MD60K18D1	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
IFAV	Single phase ,half wave 180° conduction Tc=100	60	A
IFSM	t=10mS Tvj =45	1150	A
i ² t	t=10mS Tvj =45	6600	A ² s
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)	3±15%	Nm
Ms	To heatsink(M6)	5±15%	Nm
Weight	Module (Approximately)	100	g

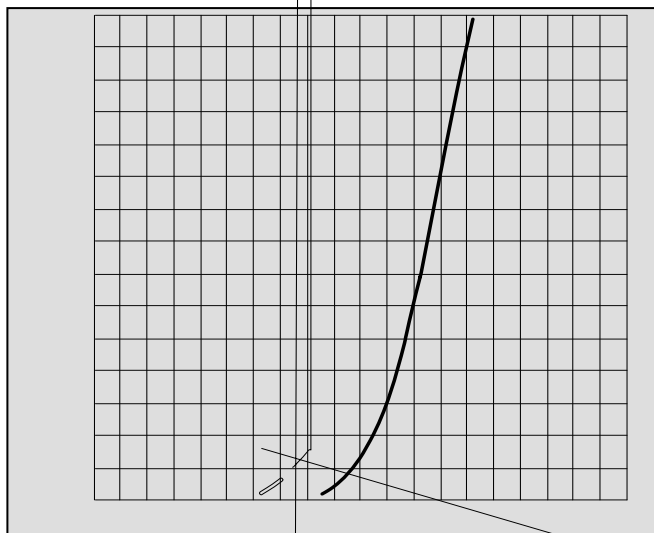
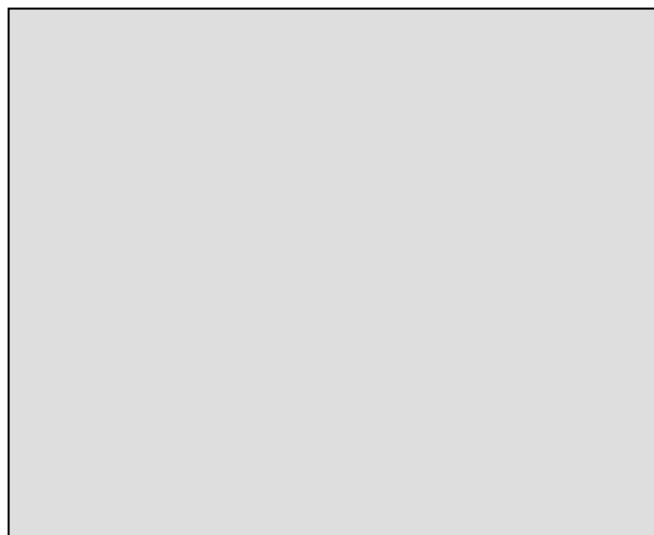
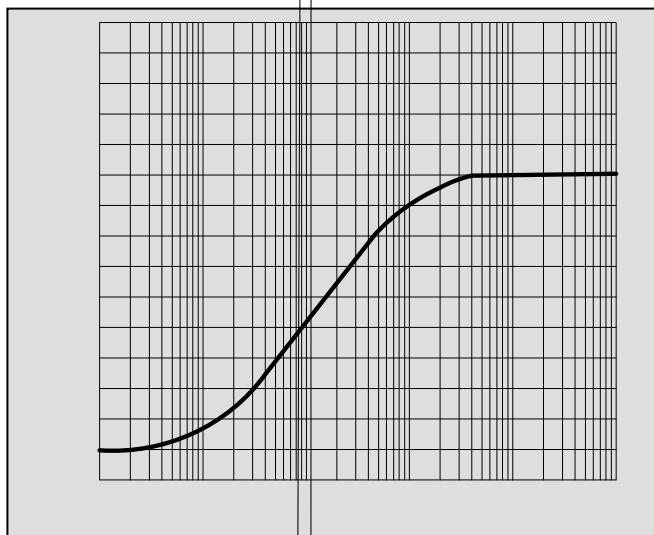
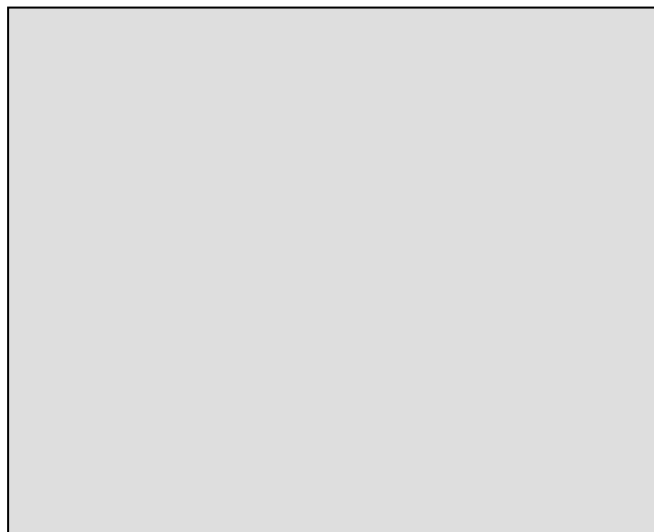
Thermal Characteristics

Symbol	Conditions	Values	Units
R _{th(j-c)}	Per diode	0.4	/W
R _{th(j-c)}	Per Module	0.2	/W
R _{th(c-s)}	Module	0.1	/W

Electrical Characteristics



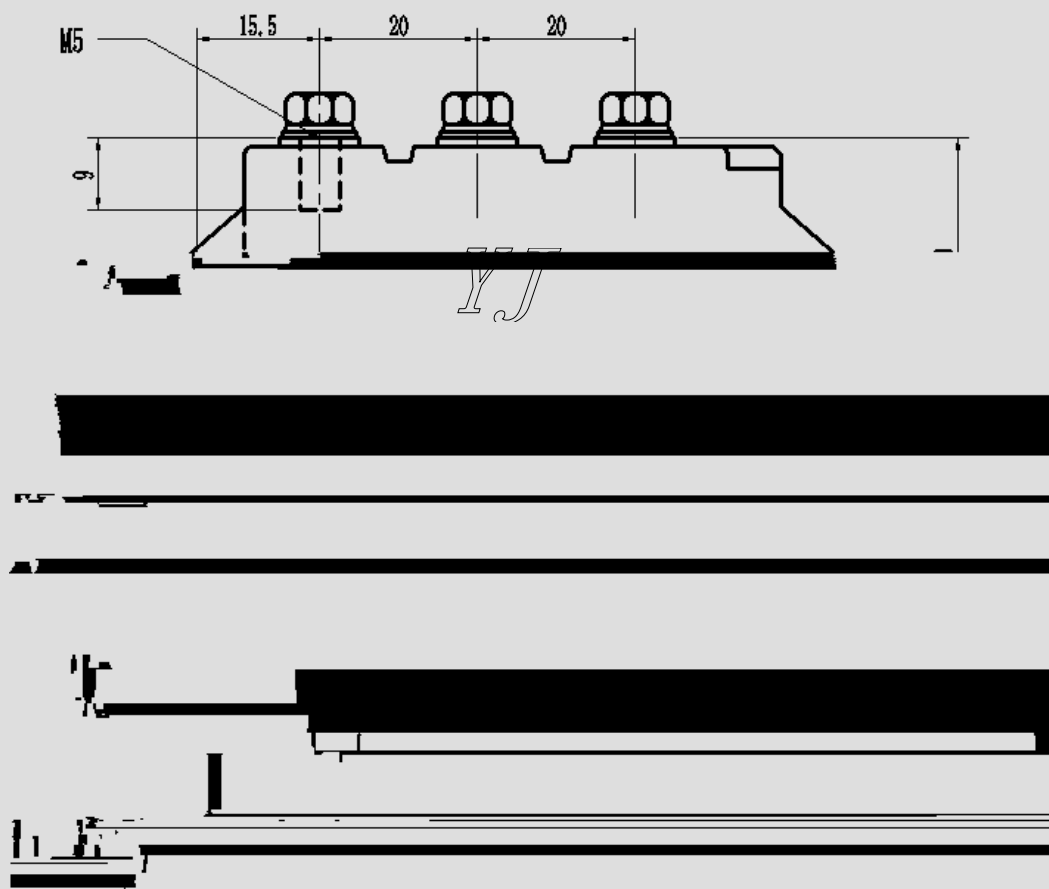
Performance Curves





Package Outline Information

CASE: D1



Dimensions in mm