



MD200C(A/K)-D2

Glass Passivated Rectifier Diode Modules

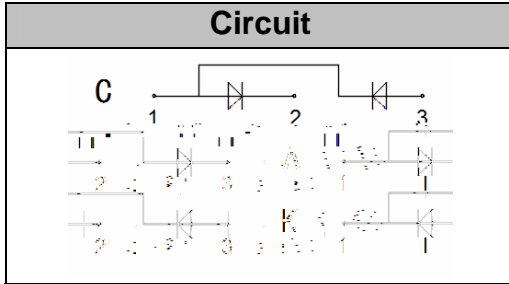
VRRM 800 to 1800V
IFAV 200 A

Applications

Non-controllable rectifiers for AC/AC converters
 Line rectifiers for transistorized AC motor controllers
 Field supply for DC motors

Features

Blocking voltage:800 to 1800V
 Heat transfer through aluminum oxide ceramic isolated metal baseplate
 Glass passivated chip
 UL recognized applied for file no. E360040



TYPE			VRRM	VRSM
MD200C08D2	MD200A08D2	MD200K08D2	800V	900V
MD200C12D2	MD200A12D2	MD200K12D2	1200V	1300V
MD200C16D2	MD200A16D2	MD200K16D2	1600V	1700V
MD200C18D2	MD200A18D2	MD200K18D2	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
IFAV	Single phase ,half wave 180° conduction Tc=95	200	A
IFSM	t=10ms Tvj =45	7500	A
	t=10ms Tvj =150	6900	A
i ² t	t=10ms Tvj =45	281250	A ² s
	t=10ms Tvj =150	238050	A ² s
V _{isol}	a.c.50Hz;r.m.s.;1s / 1min	3600 / 3000	V
T _{vj}		-40 to 150	
T _{stg}		-40 to 125	
Mt	To terminals(M6)	5±15%	Nm
Ms	To heat sink(M6)	5±15%	Nm
Weight	Module (Approximately)	160	g

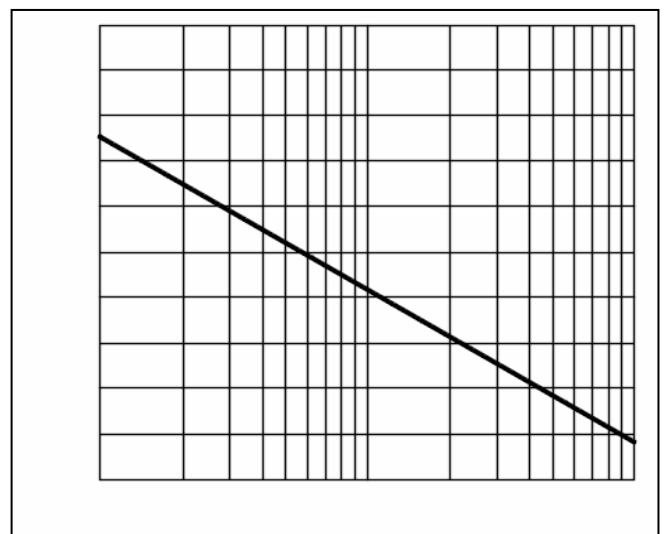
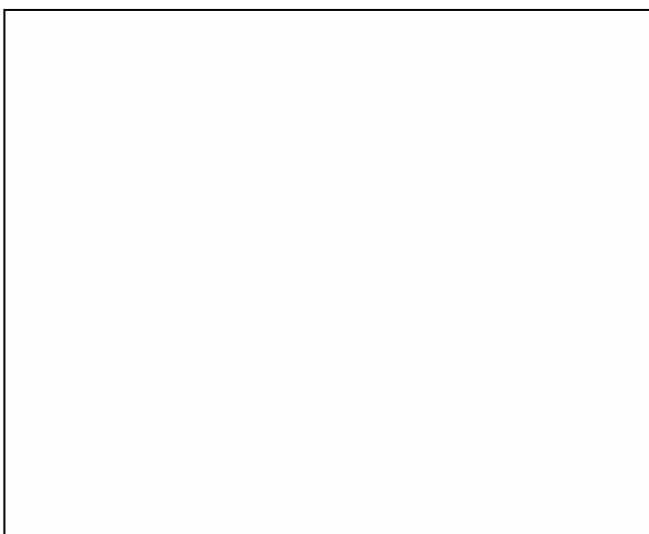
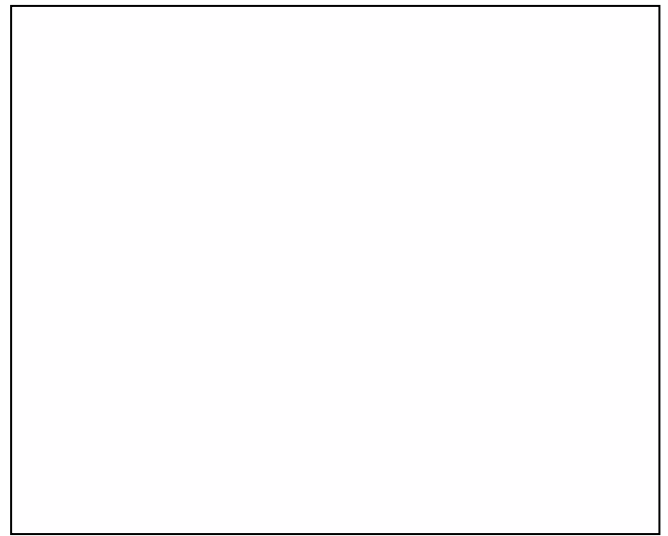
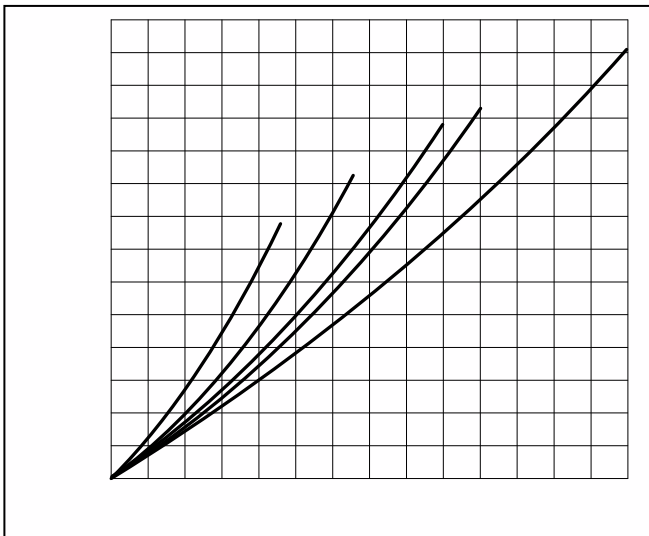
Thermal Characteristics

Symbol	Conditions	Values	Units
R _{th(j-c)}	Per diode	0.18	/W
R _{th(c-s)}	Per Module	0.05	/W



Electrical Characteristics

Performance Curves



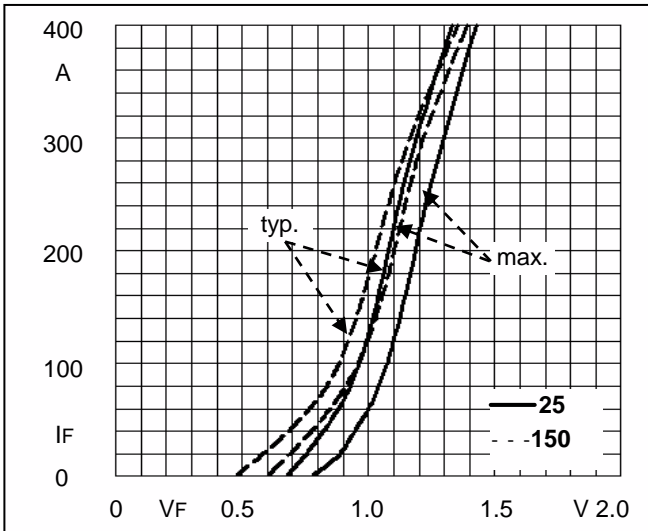
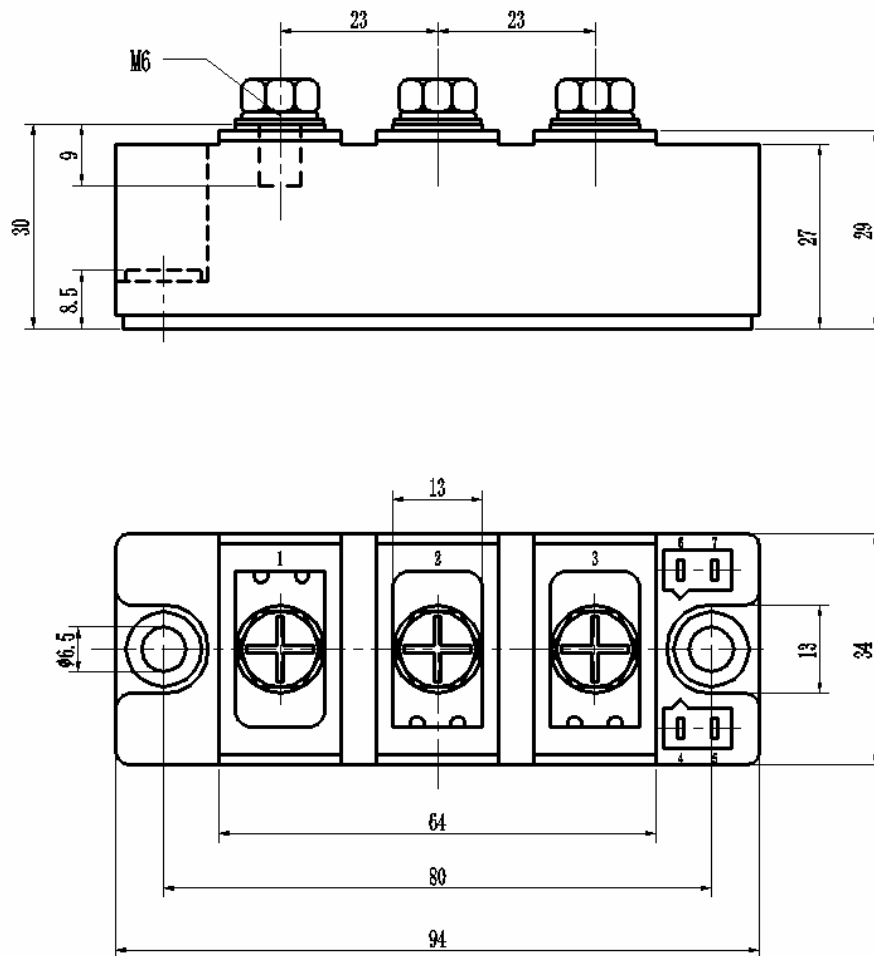


Fig5. Forward Characteristics

Package Outline Information

CASE: D2



Dimensions in mm