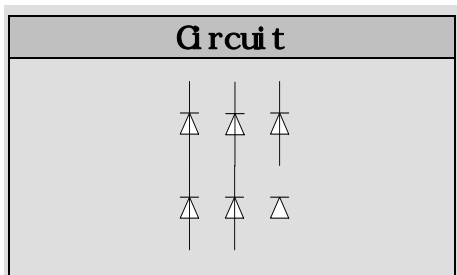




Glass Passivated Three Phase Rectifier Bridge

VRRM 800 to 1800V
ID 200 A



Features

- Three phase bridge rectifier
- Blocking voltage: 800 to 1800V
- Heat transfer through aluminum oxide DBC ceramic isolated metal baseplate
- Glass passivated chip

Module Type

TYPE	VRRM	VRSM
MD200S08M3	800V	900V
MD200S12M3	1200V	1300V
MD200S16M3	1600V	1700V
MD200S18M3	1800V	1900V

Maximum Ratings

Symbol	Conditions	Values	Units
ID	Three phase, full wave Tc=100	200	A
IFSM	t=10mS Tvj =45	2240	A
i ² t	t=10mS Tvj =45	25000	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 heat sink(M6)	5±15%	Nm
Weight	Module (Approximately)	230	g

Thermal Characteristics

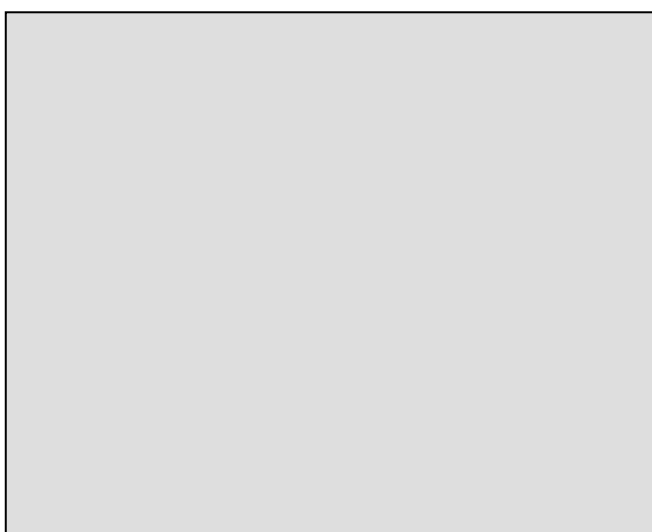
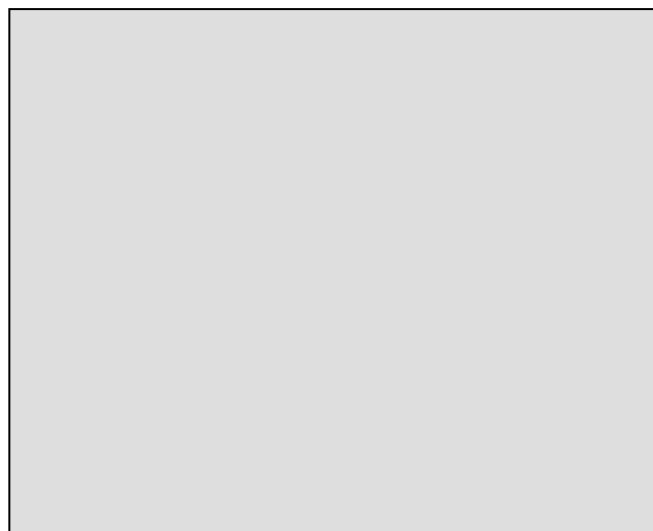
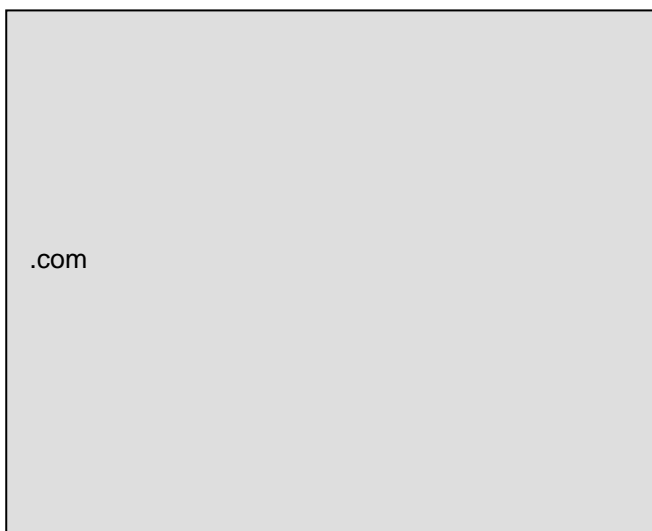
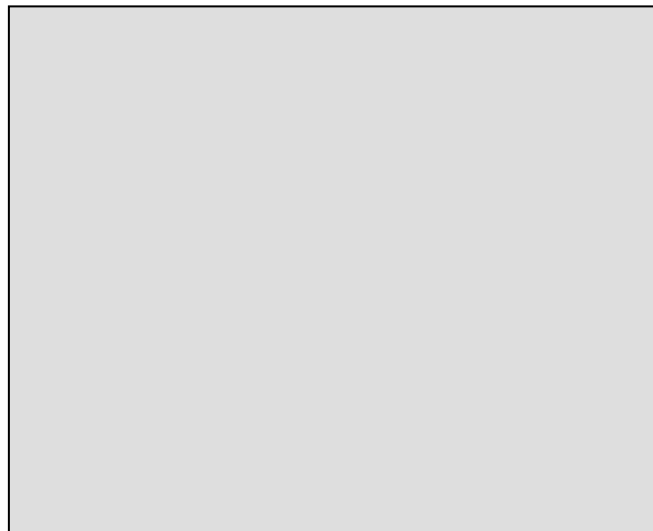
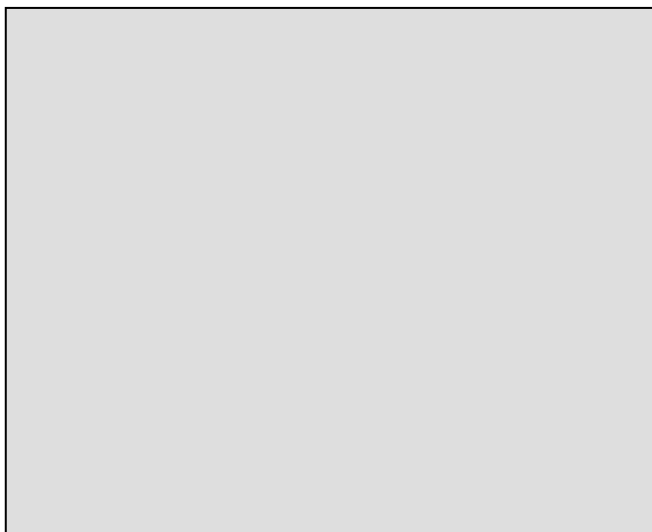
Symbol	Conditions	Values	Units
Rth(j-c)	Per diode	0.45	/W
Rth(c-s)	Module (Approximately)	0.025	/W

Electrical Characteristics

IRD	Tvj=25 V _{RD} =VRRM			0.5	mA
	Tvj=150 V _{RD} =VRRM			6	mA



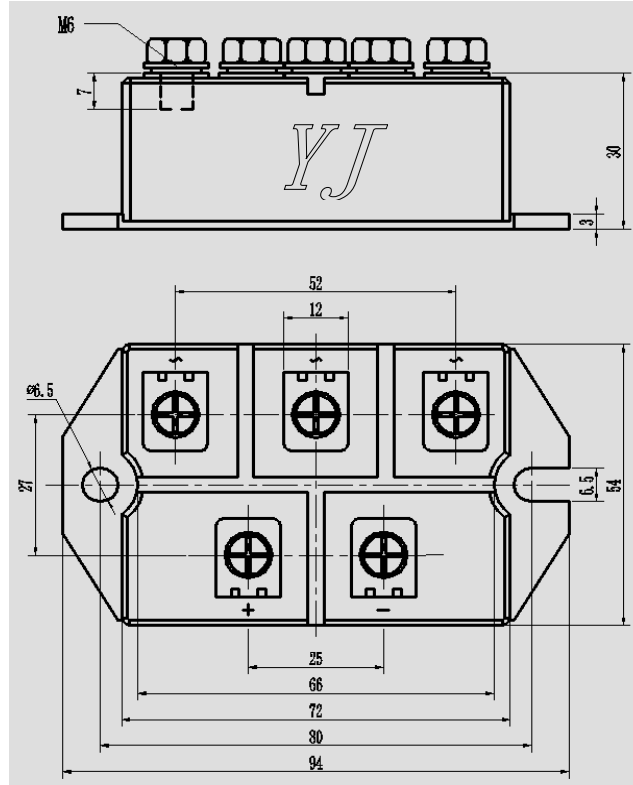
Performance Curves





Package Outline Information

CASE M3



Dimensions in mm