



## Glass Passivated Rectifier Diode Modules

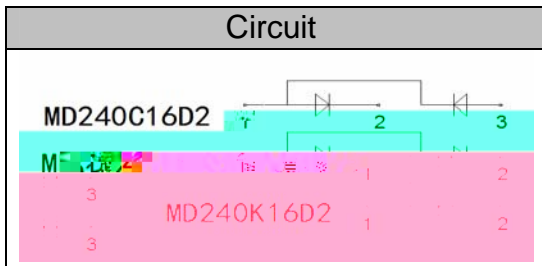
VRRM 800 to 1800V  
IFAV 240 A

### Applications

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

### Features

- y Blocking voltage:800 to 1800V
- y Heat transfer through aluminum oxide ceramic isolated metal baseplate
- y Glass passivated chip



### Module Type

TYPE			VRRM	VRSM
MD240C08D2	MD240A08D2	MD240K08D2	800V	900V
MD240C12D2	MD240A12D2	MD240K12D2	1200V	1300V
MD240C16D2	MD240A16D2	MD240K16D2	1600V	1700V
MD240C18D2	MD240A18D2	MD240K18D2	1800V	1900V

### Maximum Ratings

Symbol	Conditions	Values	Units
IFAV	Single phase ,half wave 180 e conduction Tc=95	240	A
IFSM	t=10mS Tvj =45	7550	A
i <sup>2</sup> t	t=10mS Tvj =45	285000	A <sup>2</sup> s
V <sub>isol</sub>	a.c.50HZ;r.m.s.;1min	3000	V
T <sub>vj</sub>		-40 to 150	
T <sub>stg</sub>		-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 <sub>th(j-c)</sub>	Per diode	0.16	/W
R <sub>th(c-s)</sub>	Module	0.05	/W





# MD240C(A/K)-D2