



Glass Passivated Rectifier Diode Modules

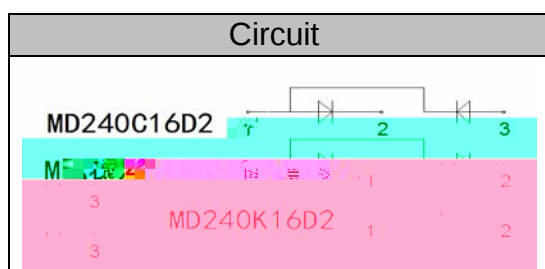
V_{RRM} 800 to 1800V
I_{FAV} 240 A

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			V _{RRM}	V _{RSM}
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
I _{FAV}	Single phase ,half wave 180 e conduction T _c =95	240	A
I _{FSM}	t=10mS T _{vj} =45	7550	A
i ² t	t=10mS T _{vj} =45	285000	A ² s
V _{isol}	a.c.50HZ;r.m.s.;1min	3000	V
T _{vj}		-40 to 150	
T _{stg}		-40 to 125	
M _t	To terminals(M6)	5±15%	Nm
M _s	To heat sink(M6)	5±15%	Nm
Weight	Module (Approximately)	160	g

Thermal Characteristics

Symbol	Conditions	Values	Units
R _{th(j-c)}	Per diode	0.16	/W
R _{th(c-s)}	Module	0.05	/W



MD240C(A/K)-D2