

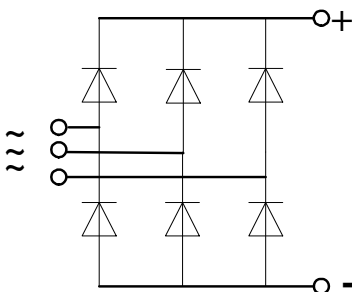
Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix Designates Compliant. See Ordering Information)
- Heat Transfer Through Aluminum Oxide DBC Ceramic Isolated Metal Baseplate
- Blocking voltage:800 to 1800V
- Glass passivated chip

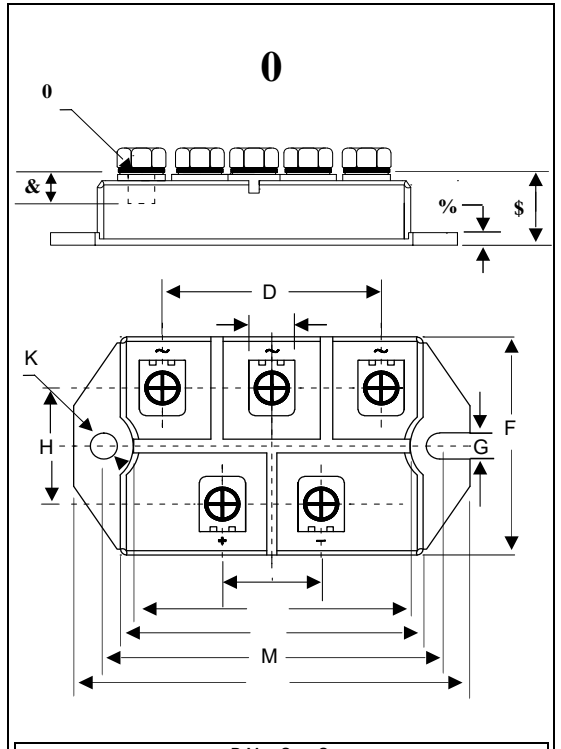
Applications

- M
- M M

MCC Part Number	V _{RRM}	V _{RSM}
MD200S08M	800V	900V
MD200S12M	1200V	1300V
MD200S16M	1600V	1700V
MD200S18M	1800V	1900V



**200 Amp
GLASS PASSIVATED
TREE PHASE
RECTIFIER RIDGE
800~1800 Volts**



D M	CH S		MM		T
	M	MA	M	MA	
A	0.650	0.689	16.50	17.50	
B	0.098	0.138	.50	3.50	
C	0.56	0.95	6.50	7.50	
D	.08	.067	51.50	5.50	
	0.453	0.49	11.50	1.50	
F	.106	.146	53.50	54.50	
G	0.36	0.76	6.00	7.00	
H	1.043	1.083	6.50	7.50	
	0.965	1.004	4.50	5.50	
	.579	.618	65.50	66.50	
K	0.56		6.50		
	.815	.854	71.50	7.50	
M	3.130	3.169	79.50	80.50	
	3.681	3.70	93.50	94.50	

Note:1. High Temperature Solder Exemptions Applied, See EU Directive Annex 7a.

Maximum Ratings

Symbol	Conditions	Values	Units
I _D	Three phase, full wave T _c =100°C	200	A
I _{FSM}	t=10mS T _{vj} =45°C	2240	A
i ² t	t=10mS T _{vj} =45°C	25000	A ² s
V _{isol}	a.c.50HZ;r.m.s.;1min	3000	V
T _{vj}		-40 to +150	°C
T _{stg}		-40 to +125	°C
M _t	To terminals(M6)	5±15%	Nm
M _s	To heatsink(M6)	5±15%	Nm
Weight	Module (Approximately)	194	g

Thermal Characteristics

Symbol	Conditions	Values	Units
R _{th(j-c)}	Per diode	0.45	°C/W
R _{th(c-s)}	Module (Approximately)	0.025	°C/W

Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
V _{FM}	T=25°C I _F =300A	—	1.45	1.70	V
I _{RD}	T _{vj} =25°C V _{RD} =V _{R_{RM}}	—	—	0.5	mA
	T _{vj} =150°C V _{RD} =V _{R_{RM}}	—	—	6	mA

Ordering Information

Device	Packing
Part Number-BP	Bulk: 10PCS/BOX ;100PCS/CTN

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