



Micro Commercial Components 130 W Cochran St, Unit B Simi Valley, CA 93065 USA Tel:818-701-4933 MD350C08D3 MD350C12D3 MD350C16D3 MD350C18D3

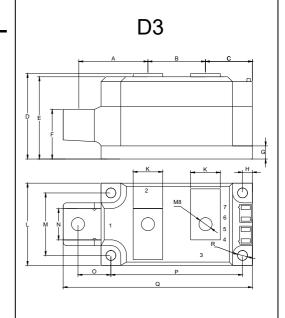
Features

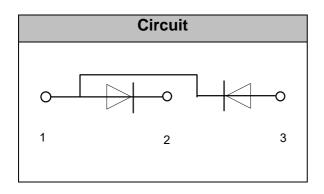
- Lead Free Finish/RoHS Compliant (NOTE 1)("P" Suffix designates RoHS Compliant. See ordering information)
- Blocking Voltage:800 to 1800V
- Heat transfer through aluminum oxide DBC ceramic isolated metal baseplate

350 Amp DIODE MODULES 800~1800 Volts

Applications

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





DIMENSIONS							
	INCHES		ММ				
DIM	MIN	MAX	MIN	MAX	NOTE		
Α	1.654	1.693	42.00	43.00			
В	1.358	1.398	34.50	35.50			
С	1.102	1.142	28.00	29.00			
D	2.028	2.067	51.50	52.50			
Е	1.909	1.988	48.50	50.50			
F	1.240	1.280	31.50	32.50			
G	0.295	0.335	7.50	8.50			
Н	0.217	0.256	5.50	6.50			
K	0.689	0.728	17.50	18.50			
L	1.791	1.988	45.50	50.50			
М	1.476	1.516	37.50	38.50			
N	0.728	0.768	18.50	19.50			
0	0.768	0.807	19.50	20.50			
Р	3.130	3.169	79.50	80.50			
Q	4.508	4.547	114.50	115.50			
R	0.236	0.276	6.00	7.00	Ø		



ABSOLUTE MAXIMUM RATINGS(T C =25°C unless otherwise specified)

Symbol	Parameter/Tes	Values	Unit	
I _{F(AV)}	Mean forward current	180° half sine wave 50Hz Single side cooled,T c =100°C	350	А
I _{F(RMS)}	RMS forward current		550	А
V _{RRM}	Repetitive peak voltage		800-1800	V
I _{RRM}	Repetitive peak current	at V _{RRM} , T _J =125°C	20	mA
I _{FSM}	Surge forward current 10ms half sine wave		8.4	KA
l²t	I ² T for fusing coordination	V _R =V _{RRM}	352	KA ² s
V _{FO}	Threshold voltage	T 40500	0.75	V
r _F	Forward slop resistance	- T _J =125°C	0.6	m Ω
V_{FM}	Peak forward voltage	I _{FM} =1050A	1.7	V
R _{th(j-c)}	Thermal resistance Junction to case	At 180 ⁰ sine, Single side cooled per chip	0.07	°C/W
R _{th(c-h)}	Thermal resistance case to heatsink		0.02	°C/W
Viso	Isolation voltage		2500	V
Fm	Terminal connection torque(M10)		10	N·m
	Mounting torque(M6)		5	N·m
T _{stg}	Stored temperature		-40-125	$^{\circ}$
Wt	Weight		669	g



Ordering Information:

Device	Packing	
Part Number-BP	Bulk: 3PCS/BOX ;18PCS/CTN	

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