MS DD381





Key Parameters

 V_{RRM} = 2200V= 381AI_{F(AV)} = 14000A**I**FSM $V_{F(TO)}$ = 0.75 V $= 0.32 \text{m}\Omega$ ГF

Features

- Full blocking capability over wide temperature range
- Heat transfer through aluminium oxide ceramic isolated metal baseplate
- Pressure contacts technology for high reliability
- UL Recognized, file no. E505556

Applications Power Supplies

- Uncontrolled Rectifiers
- Field supply for DC motors
- **Battery Chargers**
- UPS

Ordering Information

MS	DD	381	K	22
Fixed code	DD- Diode- Diode Module	Current Code	Technology K = Pressure Contact Technology	Voltage Code Code X 100 = V _{RRM}
Order Code MS DD381K22 : 2200V V _{RRM} , Diode-Diode Module				

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Technical Information Rectifier Diode Modules

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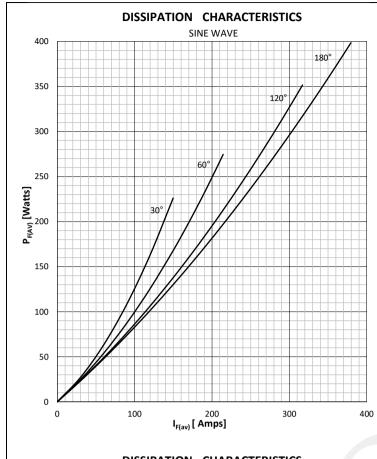
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		150	2000 - 2200	٧
V RSM	Non-repetitive peak reverse voltage		150	2100 - 2300	٧
I RRM	Repetitive peak reverse current	V= V RRM	150	10	mA
CONDU	CTING				
I F (AV)	Mean forward current	180° sin ,50 Hz, T _c =100°C		381	А
I FRMS	RMS current			596	А
	2 , 1	Sine wave, 10 ms	25	14000	Α
I FSM	Surge forward current	Without reverse voltage	150	11500	А
		Sine wave, 10 ms	25	980 x 10 ³	A ² s
l² t l² t	l ² t	Without reverse voltage	150	661 x 10 ³	A ² s
VF	Forward voltage	On-state current = 1500A	25	1.40	٧
V F(TO)	Threshold voltage		150	0.75	V
r _F	Forward slope resistance		150	0.32	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case, per arm per module		0.125 0.063	°C/W
R th(c-h)	Thermal impedance	Case to heatsink, per arm per module		0.04 0.02	°C/W
Тj	Max. junction temperature			150	°C
T stg	Storage temperature			-40 150	°C
V_{ISOL}	Insulation test voltage, RMS	F=50Hz, 1min		3.0	KV
M1	Mounting torque			6 ± 15%	Nm
M2	Terminal connection torque			12 ± 10%	Nm
W	Weight (Approx.)			650	gm
W	File No.			E505556	

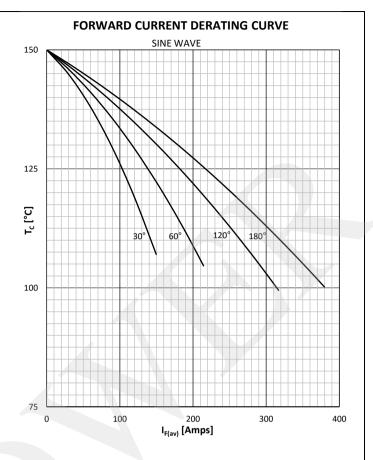
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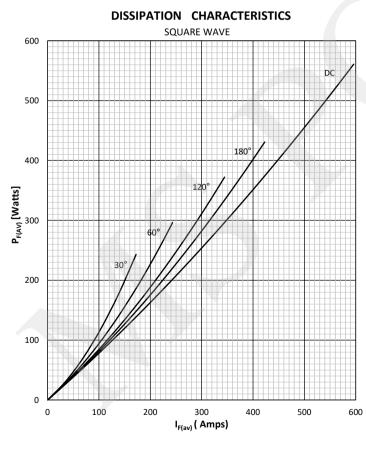
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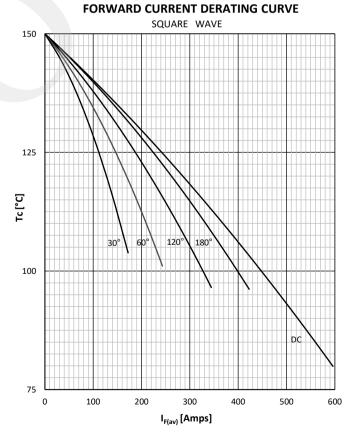
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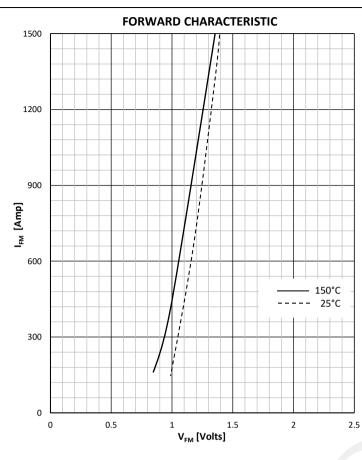


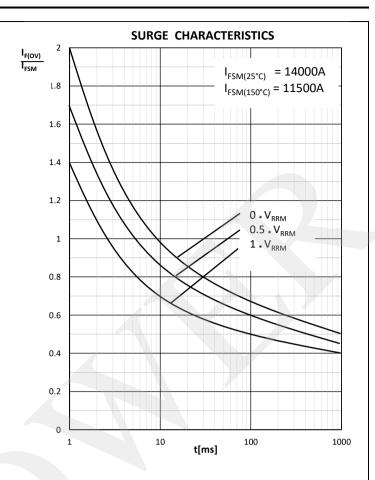


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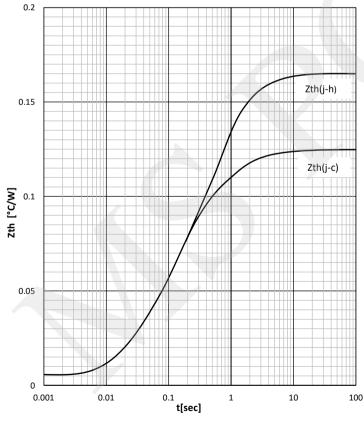
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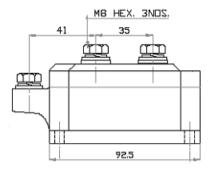


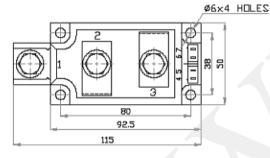
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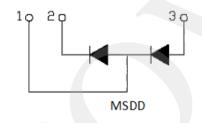
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