MS DD320





Key Parameters

 V_{RRM} = 2000V= 320AI_{F(AV)} = 9000A**I**FSM $V_{F(TO)}$ = 0.71 V $= 0.42 \text{m}\Omega$ 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

ApplicationsPower Supplies

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

Ordering Information

MS	DD	320	K	20
Fixed code	DD- Diode- Diode Module	Current Code	Technology K = Pressure Contact Technology	Voltage Code Code X 100 = V _{RRM}
Order Code MS DD320K20: 2000V V _{RRM} , Diode-Diode Module				

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Technical Information Rectifier Diode Modules

MS DD320



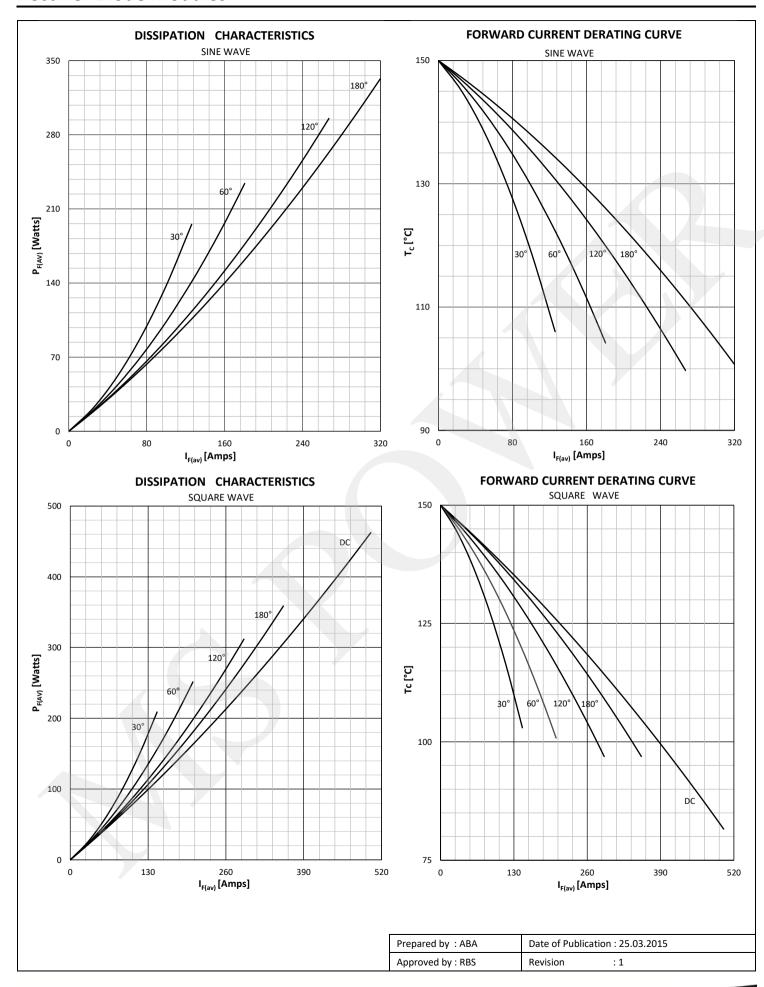
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		150	600 - 2000	V
V RSM	Non-repetitive peak reverse voltage		150	700 - 2100	V
I RRM	Repetitive peak reverse current	V= V RRM	150	50	mA
CONDU	CTING				
l F (AV)	Mean forward current	180° sin ,50 Hz, T _c =101°C		320	Α
I FRMS	RMS current			502	Α
	0 ()	Sine wave, 10 ms	25	9000	Α
I FSM	Surge forward current	Without reverse voltage	150	8000	Α
l² t	Sine wave, 10 ms Without reverse voltage	25	405 x 10 ³	A²s	
			150	320 x 10 ³	A ² s
VF	Forward voltage	On-state current = 1500A	25	1.35	V
V F(TO)	Threshold voltage		150	0.71	V
r _F	Forward slope resistance		150	0.42	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case, per arm per module		0.14 0.07	°C/W
R th(c-h)	Thermal impedance	Case to heatsink, per arm per module		0.06 0.03	°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			5 ± 15%	Nm
M2	Terminal connection torque			12 ± 10%	Nm
W	Weight (Approx.)			700	gm
A	File No.			E505556	

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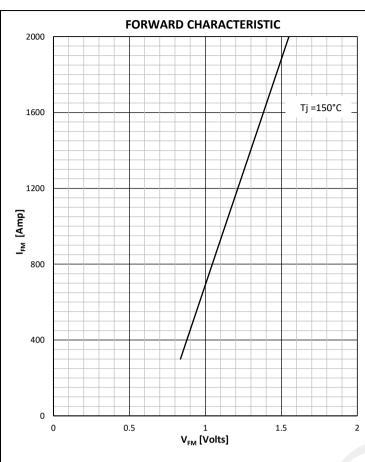


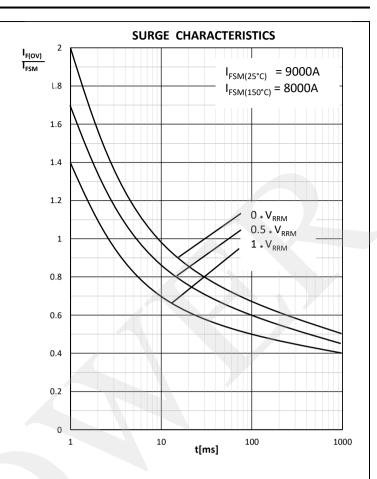


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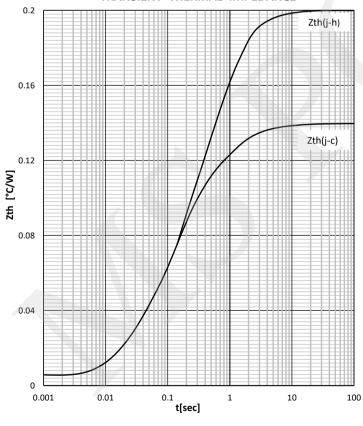
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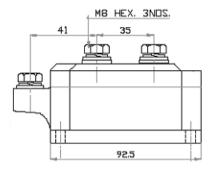


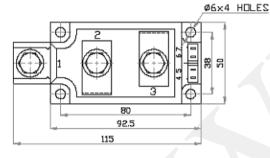
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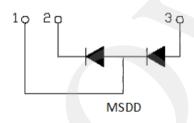
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