MS DD285





Key Parameters

 V_{RRM} = 800 V= 285AI_{F(AV)} = 9500A**I**FSM = 0.75 V $V_{F(TO)}$ $= 0.40 \text{m}\Omega$ 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	285	K	08
Fixed code	DD- Diode- Diode Module	Current Code	Technology K = Pressure Contact Technology	Voltage Code Code X 100 = V _{RRM}
Order Code MS DD285K08: 800V V _{RRM} , Diode-Diode Module				

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Technical Information Rectifier Diode Modules

MS DD285



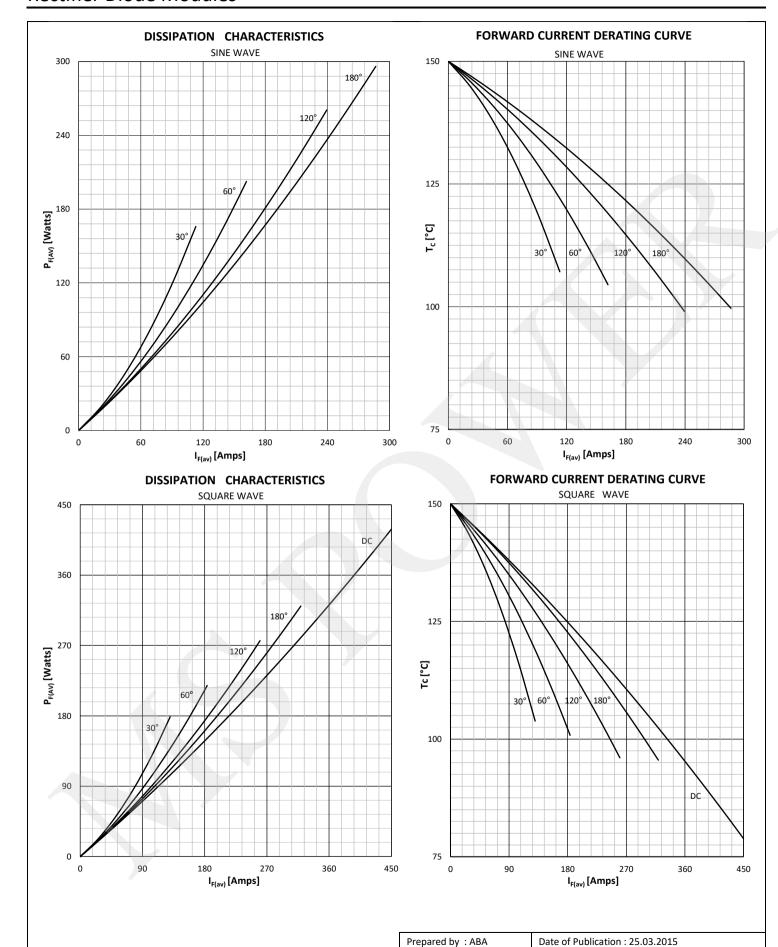
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		150	400 - 800	V
V RSM	Non-repetitive peak reverse voltage		150	500 - 900	V
I RRM	Repetitive peak reverse current	V= V RRM	150	20	mA
CONDU	CTING				
l F (AV)	Mean forward current	180° sin ,50 Hz, T _c =100°C		285	А
I FRMS	RMS current			450	А
	2 , 1	Sine wave, 10 ms	25	9500	Α
I FSM	Surge forward current	Without reverse voltage	150	8300	А
	l² t	Sine wave, 10 ms Without reverse voltage	25	845 x 10 ³	A ² s
l² t			150	605 x 10 ³	A ² s
VF	Forward voltage	On-state current = 800A	150	1.15	٧
V F(TO)	Threshold voltage		150	0.75	V
r _F	Forward slope resistance		150	0.40	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case, per arm per module		0.170 0.085	°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.)			750	gm
Al ®	File No.			E505556	

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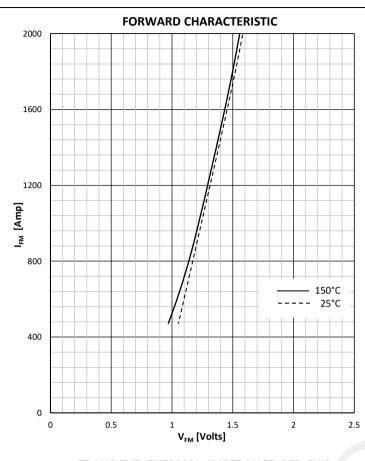
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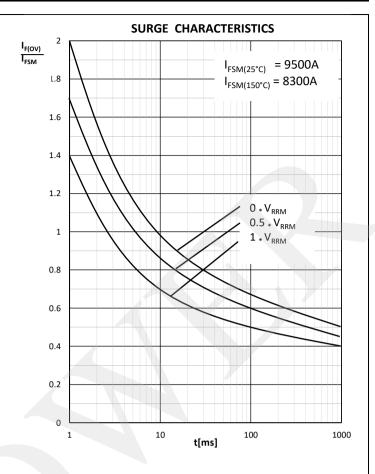
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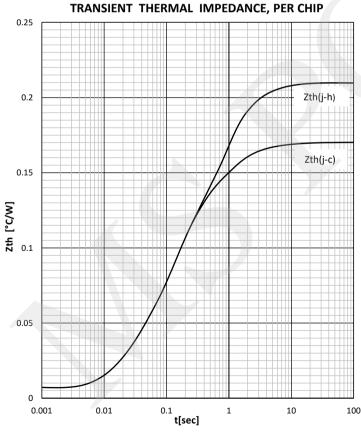
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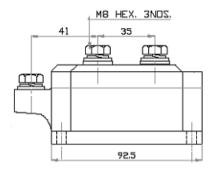


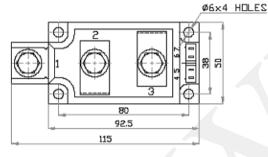
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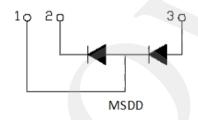
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