MS DD250





Key Parameters

 V_{RRM} = 3600 V= 250AI_{F(AV)} = 5800A**I**FSM $V_{F(TO)}$ = 0.90 V $= 1.57 m\Omega$ 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	250	К	ХX
Fixed code	DD- Diode- Diode Module	Current Code	Technology K = Pressure Contact Technology	Voltage Code Code X 100 = V _{RRM}
Order Code MS DD250K36: 3600V VRRM, Diode-Diode Module				

Date of Publication: 25.03.2015 Prepared by : ABA Approved by: RBS Revision

Technical Information Rectifier Diode Modules

MS DD250



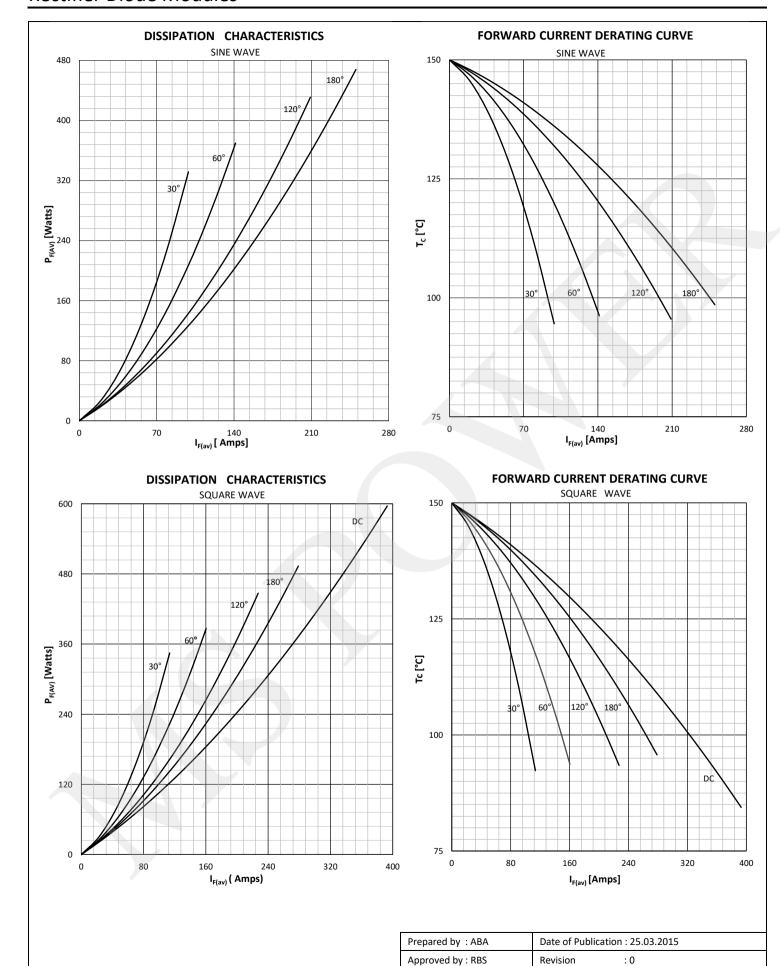
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		150	3000 - 3600	V
V RSM	Non-repetitive peak reverse voltage		150	3100 - 3700	V
I RRM	Repetitive peak reverse current	V= V RRM	150	30	mA
CONDU	CTING				
l F (AV)	Mean forward current	180° sin ,50 Hz, T _c =98°C 180° sin ,50 Hz, T _c =100°C		250 245	А
I FRMS	RMS current	T _c =98°C		393	Α
Leon	Surge forward current	Sine wave, 10 ms	25	5800	Α
I FSM		Without reverse voltage	150	5000	Α
	l² t	Sine wave, 10 ms Without reverse voltage	25	168 x 10 ³	A²s
l² t			150	125 x 10 ³	A ² s
VF	Forward voltage	On-state current = 785A	25	2.0	V
V F(TO)	Threshold voltage		150	0.90	V
r _F	Forward slope resistance		150	1.57	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case, per arm per module		0.110 0.055	°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
A I*	File No.			E505556	

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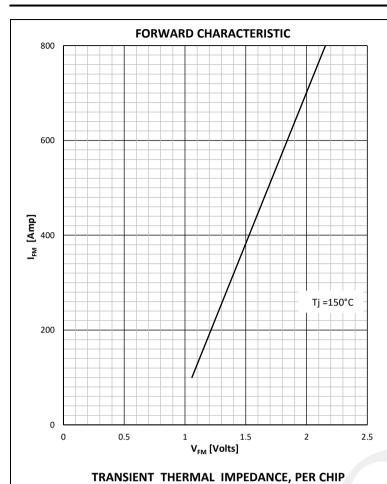


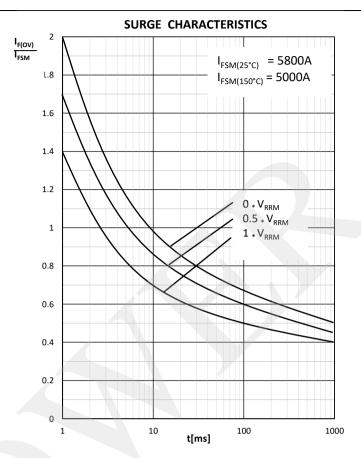


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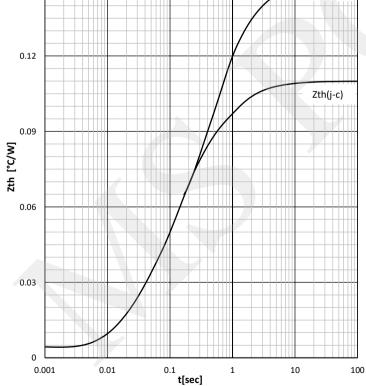
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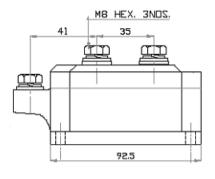


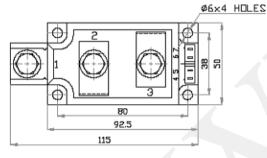
Prepared by : ABA	Date of Publication : 25.03.2015		
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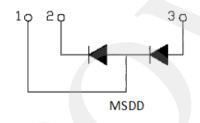
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Outline







MS Power GmbH

Mergenthalerallee 79-81 65760 Eschborn, Germany Web: www.mspowergroup.com Mail: info@mspowergroup.de

Sales & Enquiry:

sales@mspowergroup.de

Technical Support:

solution@mspowergroup.de

After sales Service:

service@mspowergroup.de

Phone: +49 (0) 6196/7768 666 Fax: +49 (0) 6196/7757 888



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