MS D1320





Key Parameters

Ney I alameters				
VRRM	= 2500V			
IF(AV)	= 1320A			
IFSM	= 15000A			
V _{F(TO)}	= 0.87V			
ΓF	= 0.33mΩ			

Features

- Full blocking capability over wide temperature range
- Hermetically sealed ceramic package
- High case non-rupture current

ApplicationsPower Supplies

- Uncontrolled Rectifiers -
- Welding
- Induction Heating / Melting

Ordering Information

MS D	1320	С	ХХ	
Rectifier Diode	Current code	C - Capsule package with Alloyed silicon technology	Voltage Code Code X 100 = V _{RRM}	
Order Code MS D1320C25 : 2500V VRRM, Capsule Diode				

Prepared by : ABA	Date of Publication : 25.03.2015
Approved by : RBS	Revision : 0

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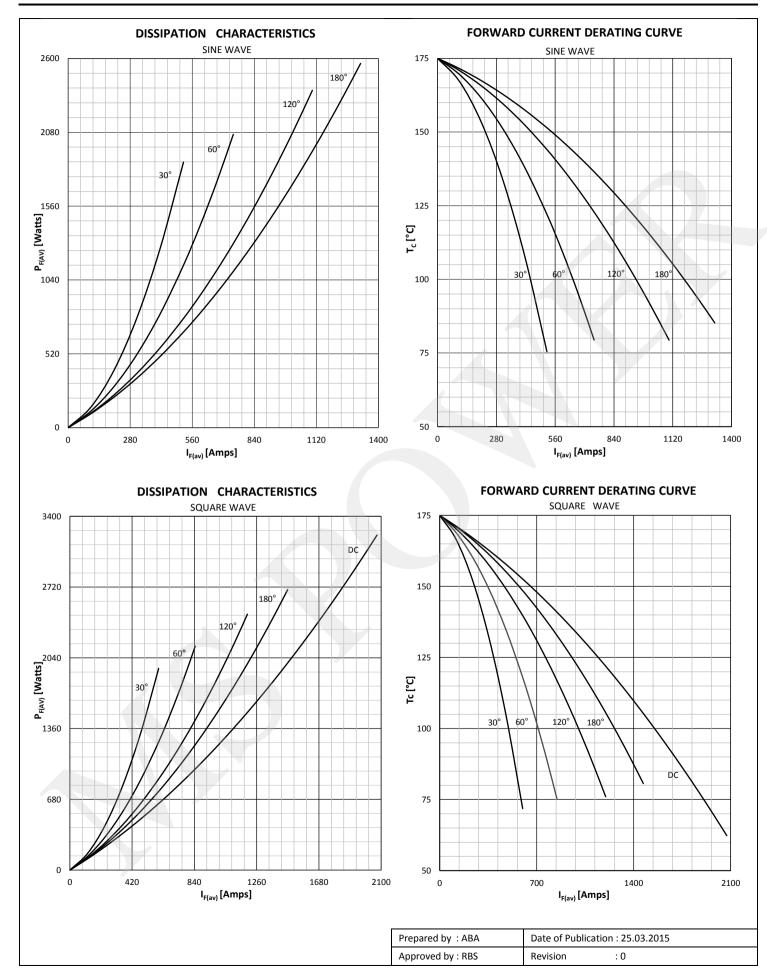


Symbol	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		175	2000 - 2500	V
V RSM	Non-repetitive peak reverse voltage		175	2100 - 2600	V
I RRM	Repetitive peak reverse current	V= V rrm	175	30	mA
CONDU	CTING				
IF(AV)	Mean forward current	180° sin,50 Hz, $T_c\!\!=\!\!85^\circ C$, double side cooled 180° sin,50 Hz, $T_c\!\!=\!\!91^\circ C$, double side cooled		1320 1263	А
I FRMS	RMS current	$T_{\rm c}{=}85^{\circ}C$, double side cooled		2072	А
1 5011	Surge forward current	Sine wave, 10 ms Without reverse voltage	25	15000	Α
I FSM			175	13000	А
10.1	² t	Sine wave, 10 ms Without reverse voltage	25	1125 x 10 ³	A²s
l² t			175	845 x 10 ³	A²s
VF	Forward voltage	On-state current = 3770A	175	2.12	V
V F(TO)	Threshold voltage		175	0.87	V
Γ _F	Forward slope resistance		175	0.33	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case, double side cooled		0.035	°C/W
R th(c-h)	Thermal impedance	Case to heatsink, double side cooled		0.015	°C/W
Тj	Max. junction temperature			175	°C
T stg	Storage temperature			-40 175	°C
М	Clamping force			6 - 8	KN
W	Weight (Approx.)			90	gm

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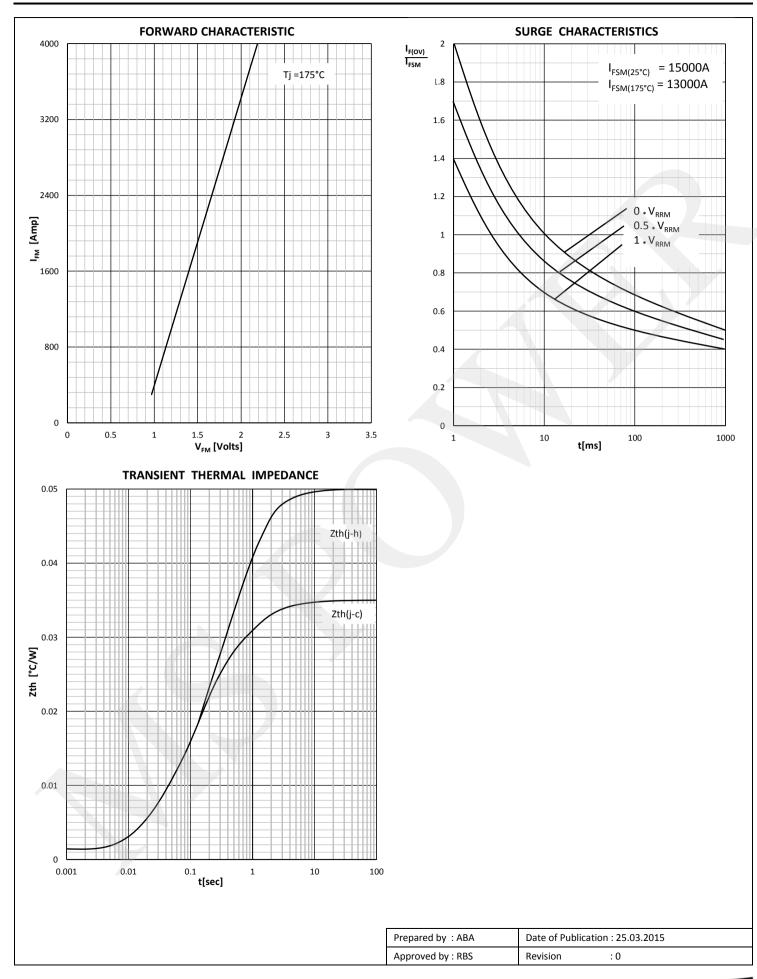




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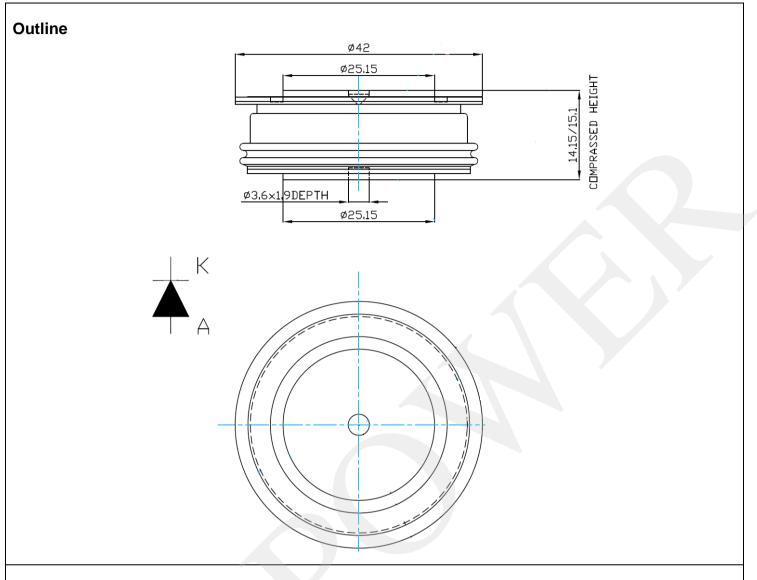
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