Key Parameters

VRRM F(AV) FSM V_{F(TO)}

ΓF

= 1600v= 350A = 6400A

= 0.77V $= 0.36 \text{m}\Omega$





Features

- Full blocking capability over wide temperature range
- Hermetic metal case with glass insulator
- Flat base

ApplicationsPower Supplies

- Uncontrolled Rectifiers
- Battery Chargers

Ordering Information

MS D	350	Ν	ХХ	F	В
Rectifier Diode	Current code	Polarity R= Base Anode N= Base Cathode	Voltage Code Code X 100 = V _{RRM}	F = Flat Base	Technology B = Solder Bond Technology
Order Code MS D350N16FB : 1600V VRRM, Flat Base, Diode with base Cathode					

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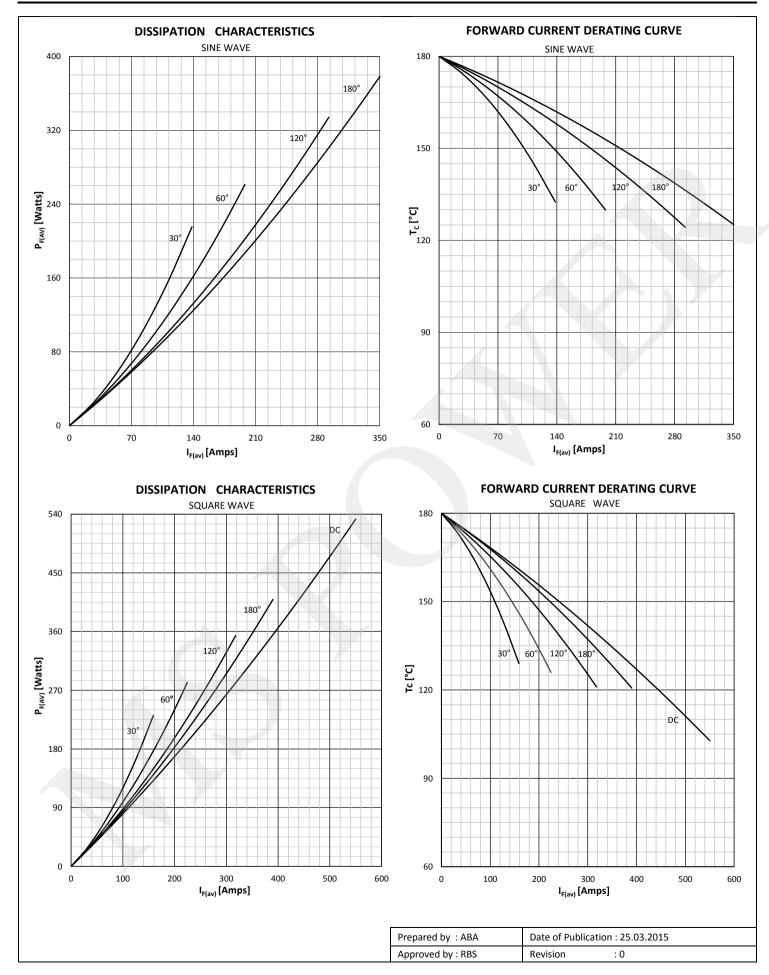
MS D350



Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		180	200 - 1600	V
V RSM	Non-repetitive peak reverse voltage		180	300 - 1700	V
I RRM	Repetitive peak reverse current	V= V RRM	180	50	mA
CONDU				I	
I F (AV)	Mean forward current	180° sin ,50 Hz, T _c =125°C		350	А
I FRMS	RMS current			550	А
		Sine wave, 10 ms	25	6400	А
I FSM	Surge forward current	Without reverse voltage	180	6000	А
			25	205 x 10 ³	A²s
l² t	l² t	Sine wave, 10 ms Without reverse voltage	180	180 x 10 ³	A ² s
	E a construction of the sec	0			
VF	Forward voltage	On-state current = 1050A	180	1.15	V
V F(TO)	Threshold voltage		180	0.77	V
r _F	Forward slope resistance		180	0.36	mΩ
MOUNT	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case		0.145	°C/W
R th(c-h)	Thermal impedance	Case to heatsink		0.02	°C/W
Тj	Max. junction temperature			180	°C
				10 100	°C
T stg	Storage temperature			-40 180	-U
T stg M	Storage temperature Mounting torque			-40 180 20	NM
М	Mounting torque			20	NM
М	Mounting torque	Prepared by : ABA Approved by : RBS	Date of Pub	20	NM gm

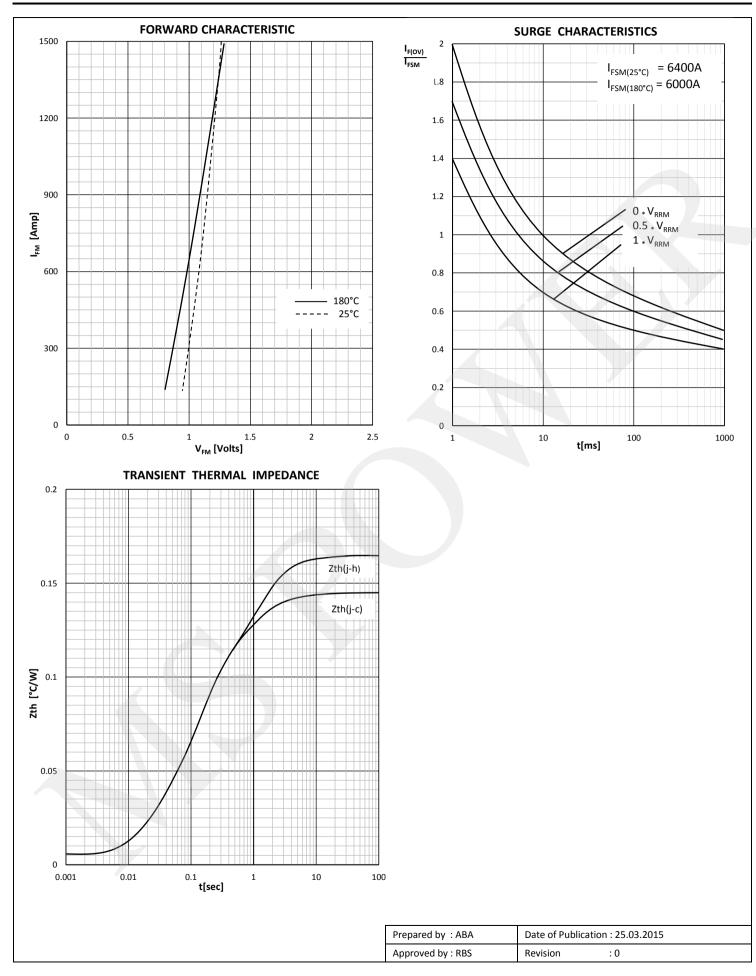
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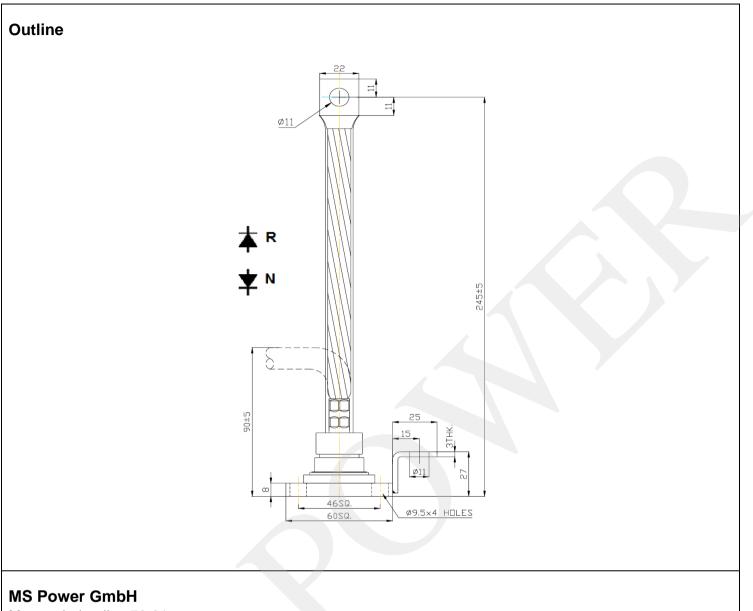
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MS D350



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