



Key Parameters

V _{RRM}	= 1600V
I _{F(AV)}	= 400A
I _{FSM}	= 7400A
V _{F(TO)}	= 0.75V
r _F	= 0.35mΩ

Features

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

ApplicationsPower Supplies

- Uncontrolled Rectifiers
- Battery Chargers

Ordering Information

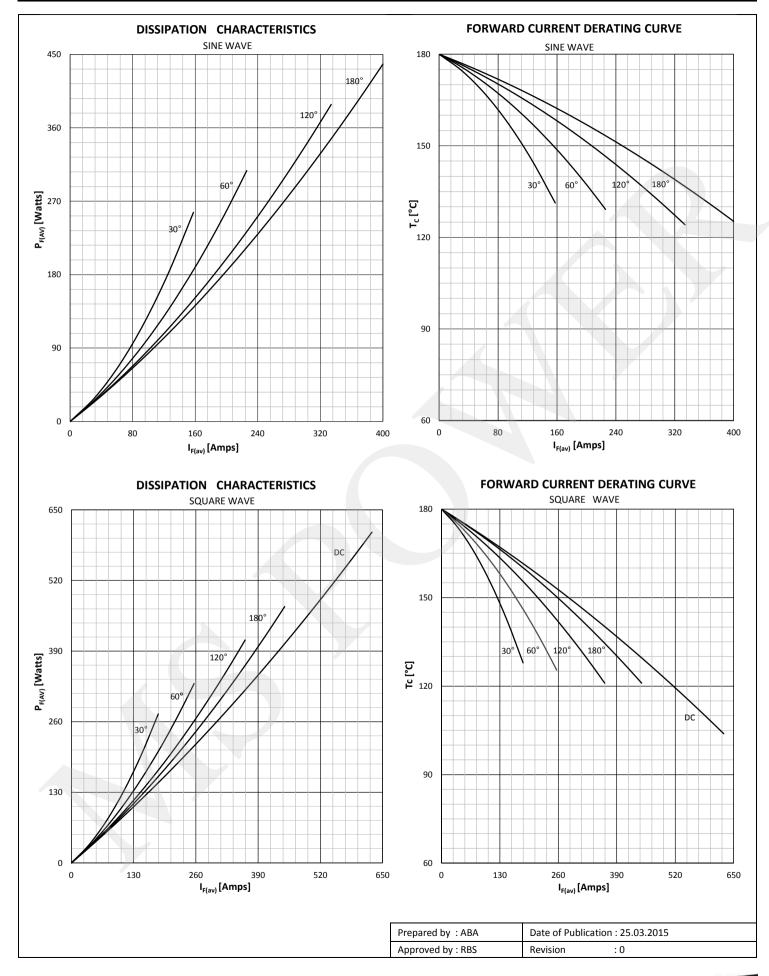
MS D	401	N	ХХ	F	В	
Rectifier Diode	Current code	Polarity R= Base Anode N= Base Cathode	Voltage Code Code X 100 = V _{RRM}	F = Flat Base	Technology B = Solder Bond Technology	
Order Code MS D401N16FB : 1600V V _{RRM} , Flat Base, Diode with base Cathode						
			Prepar	ed by : ABA	Date of Publication : 25.03.2015	



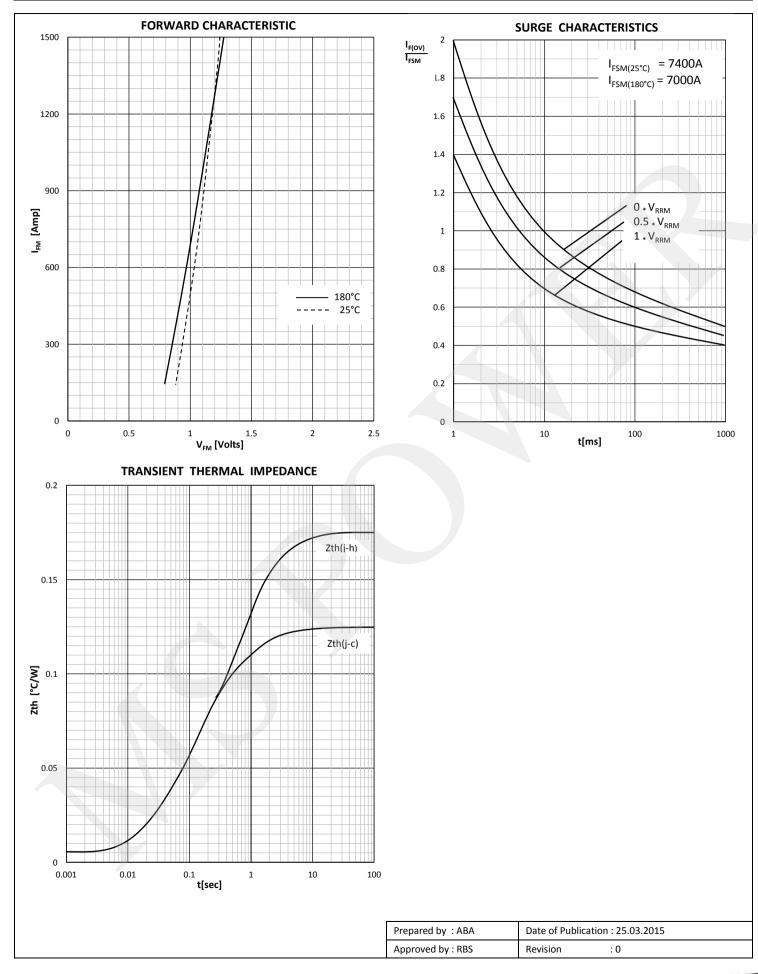


	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		180	200 - 1600	V
V RSM	Non-repetitive peak reverse voltage		180	300 - 1700	V
I RRM	Repetitive peak reverse current	V= V RRM	180	50	mA
CONDU	CTING			<u> </u>	
I F (AV)	Mean forward current	180° sin ,50 Hz, T _c =125°C		400	А
I FRMS	RMS current			628	А
I FSM	Surge forward current	Sine wave, 10 ms Without reverse voltage	25	7400	A
			180	7000	A
l² t	l² t	Sine wave, 10 ms Without reverse voltage	25	274 x 10 ³	A²s
		Without reverse voltage	180	245 x 10 ³	A²s
VF	Forward voltage	On-state current = 1050A	180	1.12	V
V F(TO)	Threshold voltage		180	0.75	V
r _F	Forward slope resistance		180	0.35	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case		0.125	°C/W
R th(c-h)	Thermal impedance	Case to heatsink		0.05	°C/W
Тj	Max. junction temperature			180	°C
т.	Storage temperature			-40 180	°C
T stg					
I stg M	Mounting torque			20	NM
	Mounting torque Weight (Approx.)				
М				20	NM
М				20	NM
М		Prepared by : ABA Approved by : RBS	Date of Pub	20	NM gm

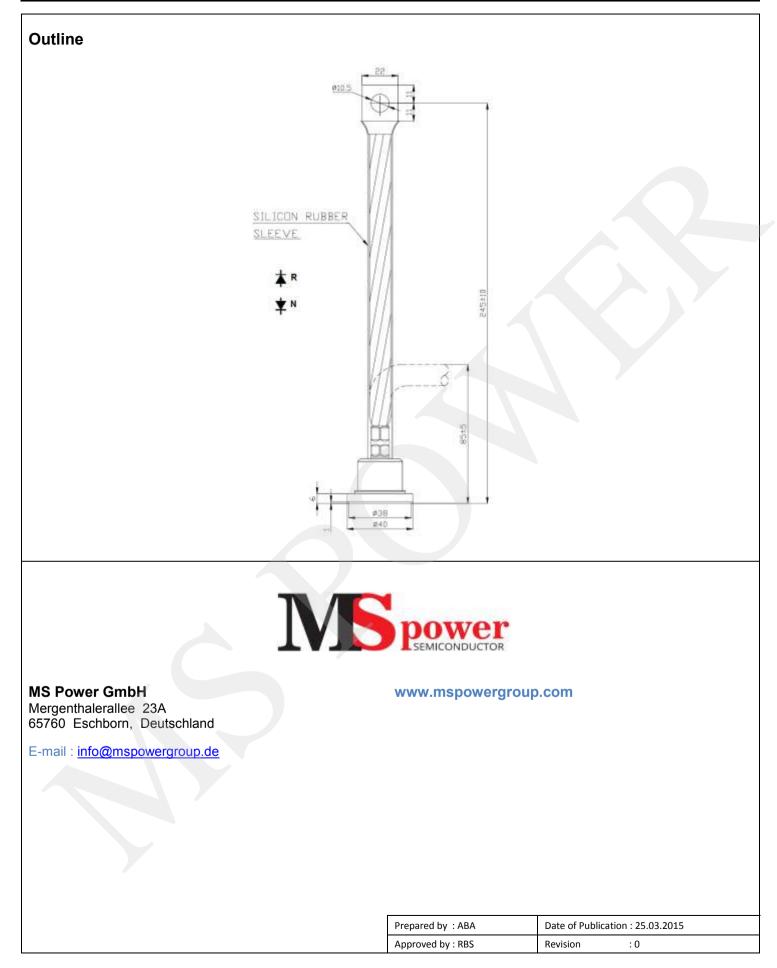












MS D401



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-the conclusion of Quality Agreements;

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