**MS D136** 





#### Features

- Full blocking capability over wide temperature rangeHermetic metal case with glass insulator
- Threaded stud

## Key Parameters

Vrrm	= 1800V
F(AV)	= 165A
IFSM	= 2500A
V <sub>F(TO)</sub>	= 0.85V
ΓF	= 1.3mΩ

# ApplicationsPower Supplies

- Uncontrolled Rectifiers
- Battery Chargers

#### **Ordering Information**

MS D	136	N	хх	М	В
Rectifier Diode	Current code	Polarity R= Stud Anode N= Stud Cathode	Voltage Code Code X 100 = V <sub>RRM</sub>	Stud Threads M = Stud M12 X 1.75 U = 1/2"-20UNF 2A	Technology B = Solder Bond Technology
Order Code MS	D136N16ME	3 : 1600V V <sub>RRM</sub> , Me	etric Stud, Diode with	stud Cathode	
			Γ	Prepared by : ABA	Date of Publication : 20.12.2016



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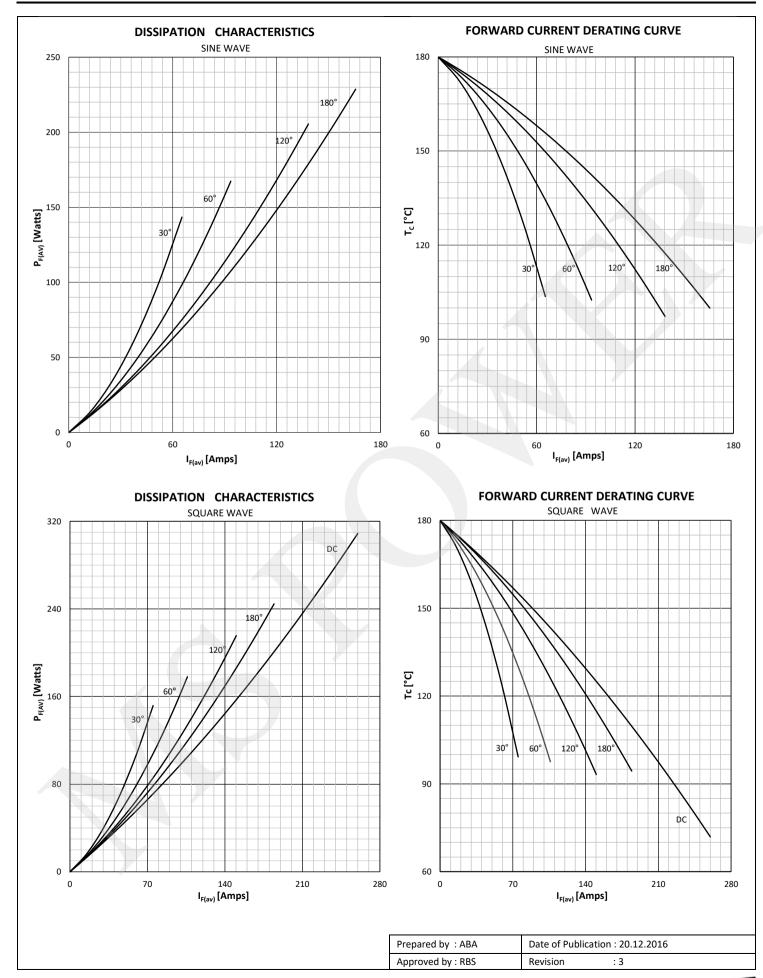


Symbol	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		180	200 - 1800	V
V RSM	Non-repetitive peak reverse voltage		180	300 - 1900	V
I RRM	Repetitive peak reverse current	V= V RRM	180	15	mA
CONDU	CTING				
IF(AV)	Mean forward current	180° sin ,50 Hz, T <sub>c</sub> =100°C T <sub>c</sub> =125°C		165 130	А
I FRMS	RMS current	T <sub>c</sub> =100°C		260	А
1		Sine wave, 10 ms	25	2500	A
I FSM	Surge forward current	Without reverse voltage	180	2000	Α
		Sine wave, 10 ms	25	31250	A²s
l² t	<sup>2</sup> t	Without reverse voltage	180	20000	A²s
VF	Forward voltage	On-state current = 520A	180	1.53	V
V F(TO)	Threshold voltage		180	0.85	V
r <sub>F</sub>	Forward slope resistance		180	1.3	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case		0.35	°C/W
R th(c-h)	Thermal impedance	Case to heatsink		0.08	°C/W
Тj	Max. junction temperature			180	°C
T stg	Storage temperature			-40 180	°C
М	Mounting torque			10 - 13	NM
W	Weight (Approx.)			110	gm

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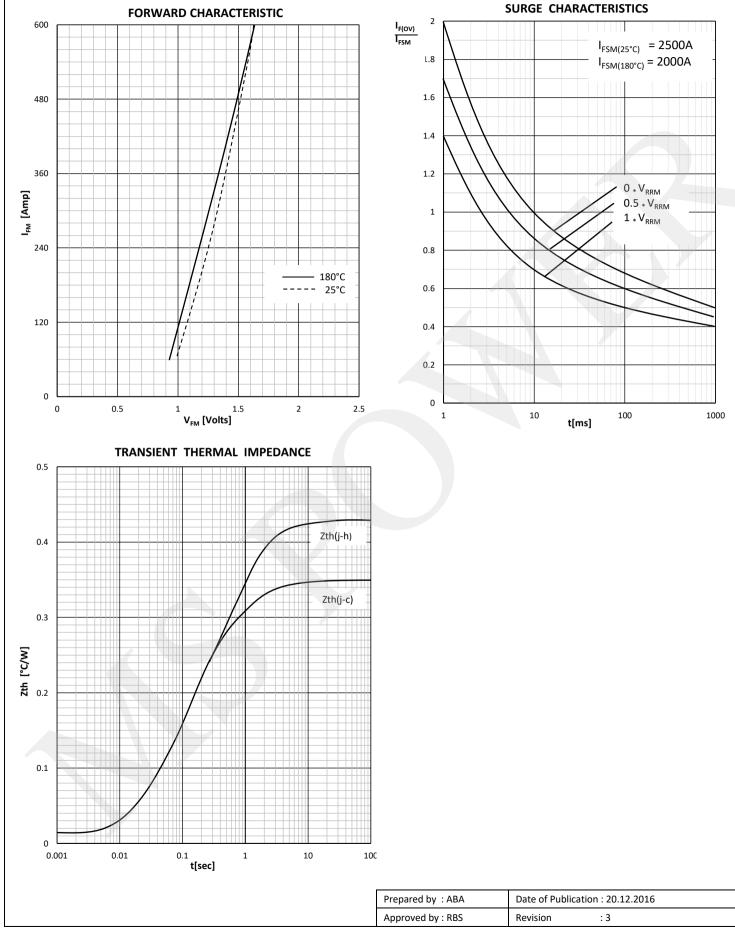


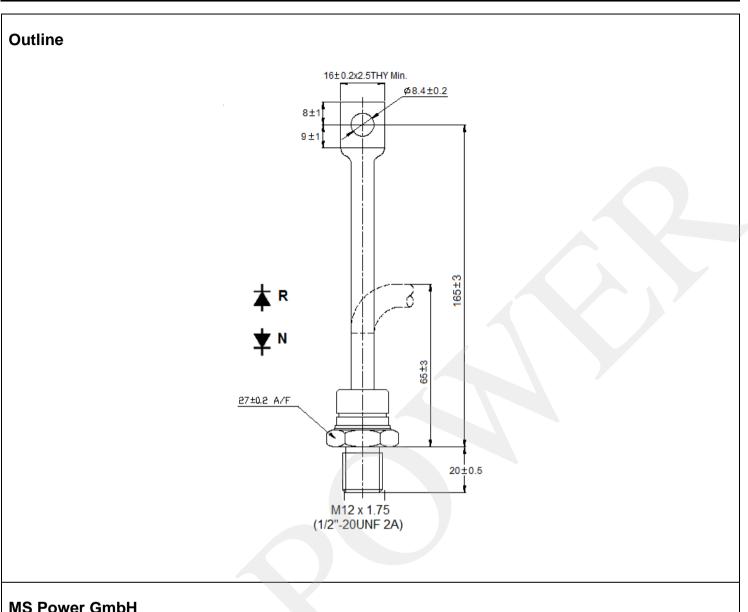


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**N** power

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