



Features

- Full blocking capability over wide temperature range
- Hermetic metal case with glass insulator
- Threaded Stud

Key Parameters

V _{RRM}	= 1600V
I _{F(AV)}	= 150A
I _{FSM}	= 4000A
V _{F(TO)}	= 0.82V
r _F	= 0.90mΩ

ApplicationsPower Supplies

- Uncontrolled Rectifiers
- Battery Chargers

Ordering Information

MS D	151	N	ХХ	М	В
Rectifier Diode	Current code	Polarity R= Base Anode N= Base Cathode	Voltage Code Code X 100 = V _{RRM}	Stud Threads M = Stud M12 X 1.75 U = 1/2"-20UNF 2A U1 = 3/8"-24 UNF2A M1 = Stud M16 X 1.5	Technology B = Solder Bond Technology
Order Code MS D151N16MB : 1600V V _{RRM} , Metric Stud, Diode with base Cathode					

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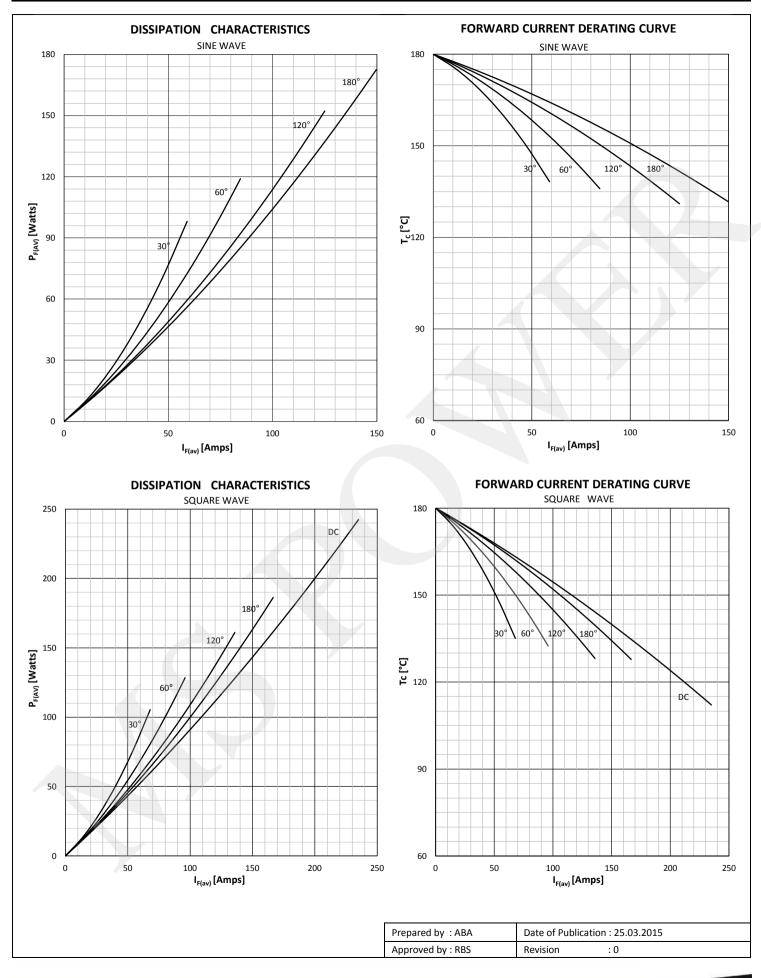


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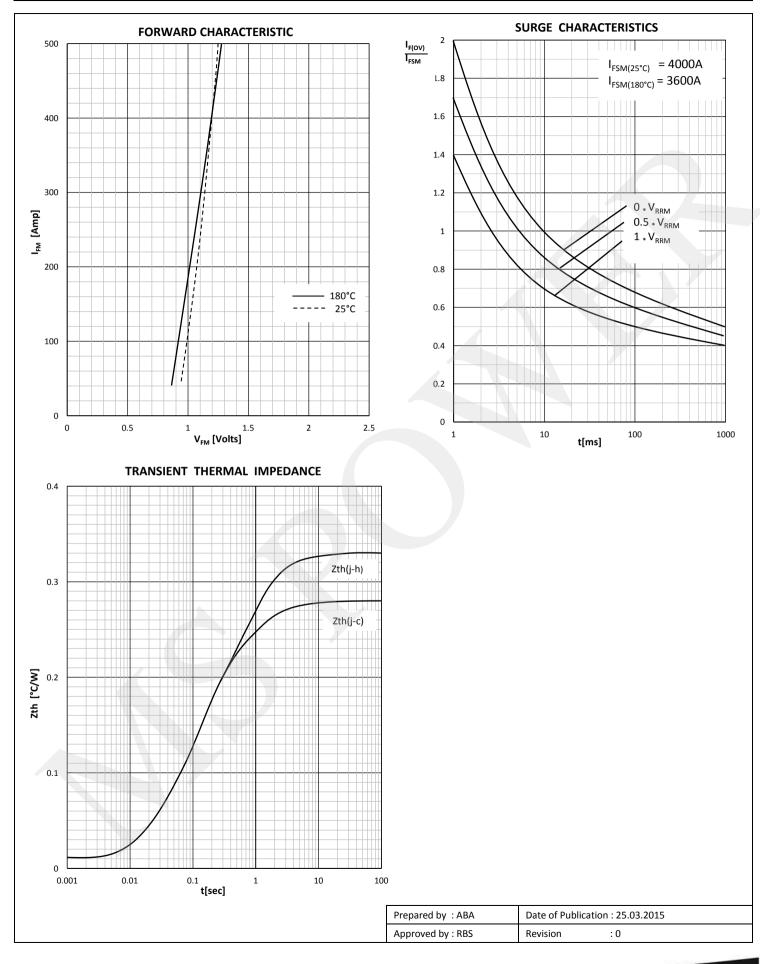
Symbol	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		180	200 - 1600	V
V RSM	Non-repetitive peak reverse voltage		180	300 - 1700	V
I RRM	Repetitive peak reverse current	V= V RRM	180	20	mA
CONDU	CTING				
I F (AV)	Mean forward current	180° sin ,50 Hz, T _c =130°C		150	А
I FRMS	RMS current			235	Α
I FSM	Surge forward current	Sine wave, 10 ms	25	4000	Α
I FSM	Surge forward current	Without reverse voltage	180	3600	А
12.4	12.4	Sine wave, 10 ms	25	80000	A²s
l² t	l² t	Without reverse voltage	180	64800	A ² s
V f	Forward voltage	On-state current = 470A	180	1.25	V
V F(TO)	Threshold voltage		180	0.82	V
r _F	Forward slope resistance		180	0.90	mΩ
MOUNT	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case		0.28	°C/W
R th(c-h)	Thermal impedance	Case to heatsink		0.05	°C/W
Тj	Max. junction temperature			180	°C
T stg	Storage temperature			-40 180	°C
М	Mounting torque			13 - 14	NM
W	Weight (Approx.)			180	gm
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		Approved by : KBS	Revision	:0	





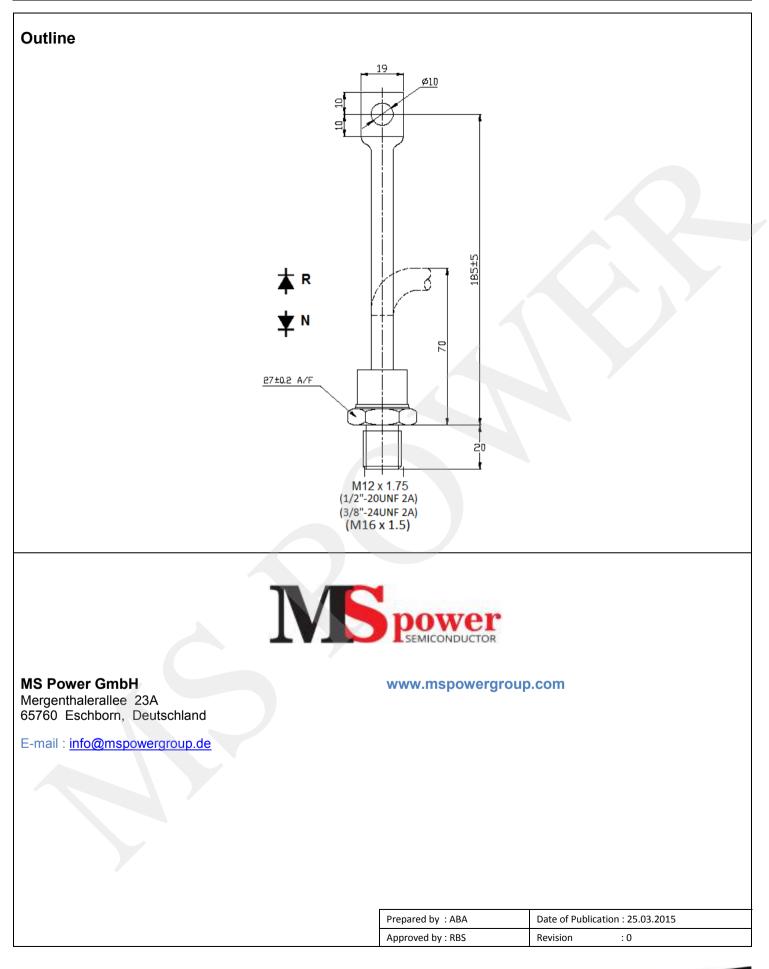
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MS D151



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-the conclusion of Quality Agreements;

-to establish joint measures of an ongoing product survey, and that we may make delivery depended on the realization of any such measures.

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