MS D85





Features

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

Key Parameters

= 1200V
= 85A
= 1800A
= 0.75V
= 1.5mΩ

ApplicationsPower Supplies

- Uncontrolled Rectifiers •
- Battery Chargers

Ordering Information

MS D	85	N	ХХ	М	В
Rectifier Diode	Current code	Polarity R= Stud Anode N= Stud Cathode	Voltage Code Code X 100 = V _{RRM}	Stud Threads M = Stud M8 X 1.25 U = 1/4" UNF	Technology B = Solder Bond Technology
Order Code MS D85N12MB : 1200V V _{RRM} , Metric Stud, Diode with stud Cathode					

Prepared by : ABA	Date of Publication : 20.12.2016
Approved by : RBS	Revision : 1

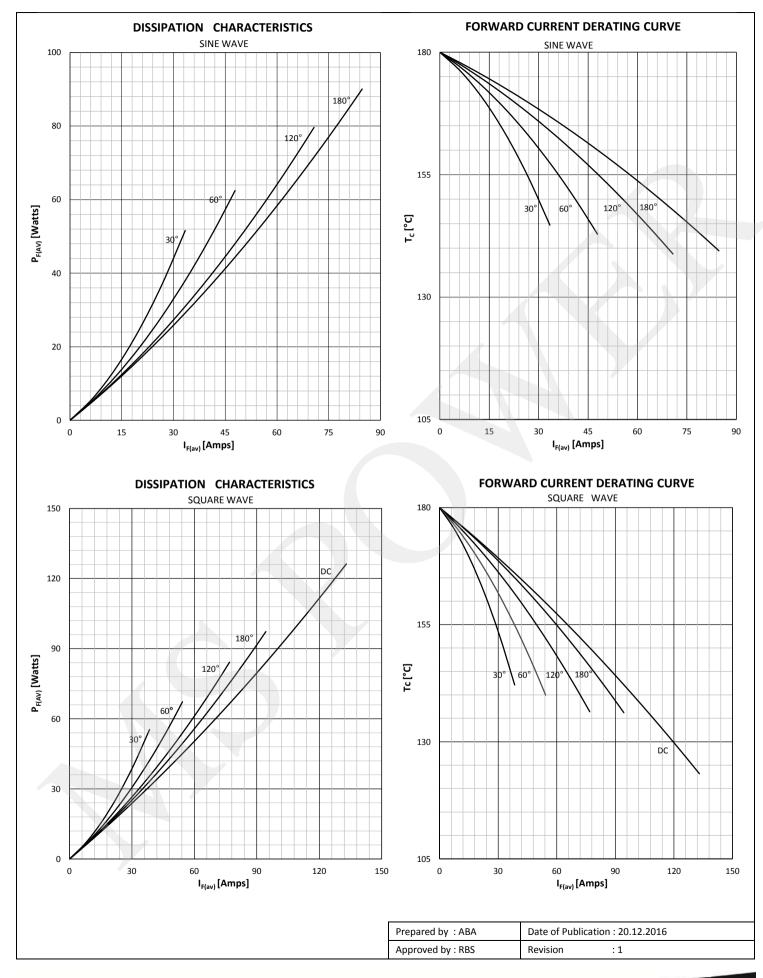




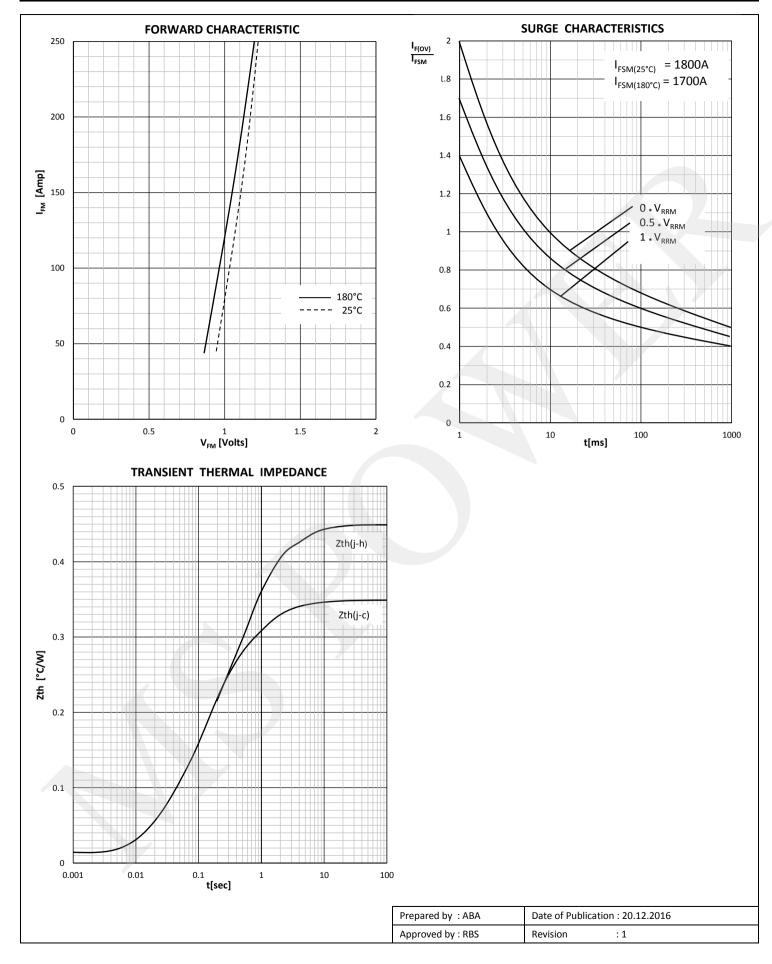
Symbol	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		180	200 - 1200	V
V RSM	Non-repetitive peak reverse voltage		180	300 - 1300	V
I RRM	Repetitive peak reverse current	V= V RRM	180	10	mA
CONDU	CTING				
l f (AV)	Mean forward current	180° sin ,50 Hz, T _c =140°C		85	А
I FRMS	RMS current			133	А
		Sine wave, 10 ms	25	1800	Α
I FSM	Surge forward current	Without reverse voltage	180	1700	Α
	I ² t I ² t Sine wave, 10 ms Without reverse voltage	Sine wave 10 ms	25	16200	A²s
I² t			180	14450	A²s
Vг	Forward voltage	On-state current = 250A	180	1.20	V
V F(TO)	Threshold voltage		180	0.75	V
r _F	Forward slope resistance		180	1.5	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		0.15	°C/W
Тj	Max. junction temperature			180	°C
T stg	Storage temperature			-40 180	°C
М	Mounting torque			4	NM
W	Weight (Approx.)			24	gm

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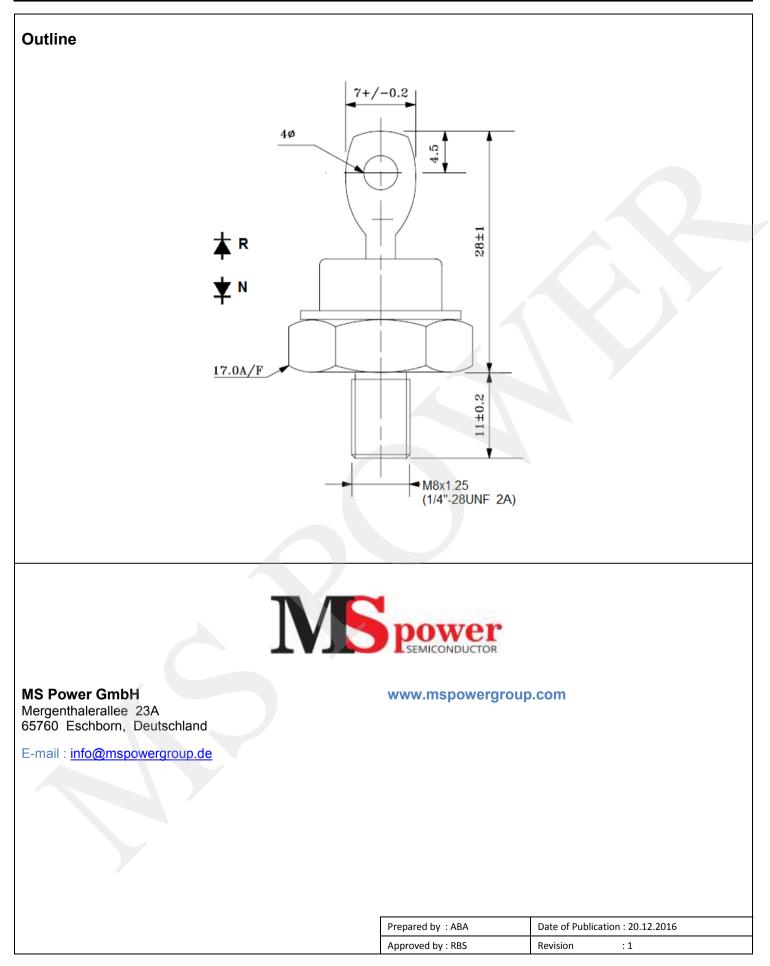












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-to perform joint Risk and Quality Assessments;

-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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Prepared by : ABA	Date of Publication : 20.12.2016
Approved by : RBS	Revision : 1