MS D607





Key Parameters

Vrrm	= 2700V
F(AV)	= 600A
FSM	= 12000A
V _{F(TO)}	= 0.88V
ΓF	= 0.40mΩ

Features

- Full blocking capability over wide temperature range
- Pressure contacts technology for high reliability

ApplicationsPower Supplies

- Uncontrolled Rectifiers
- Welding
- Induction Heating / Melting
- Battery Chargers

Ordering Information

•					
MS D	607	N	XX	U	К
Rectifier Diode	Current code	Polarity R= Stud Anode N= Stud Cathode	Voltage Code Code X 100 = V _{RRM}	Stud Threads U = 3/4" 16UNF-2A	Technology K = Pressure Contact Technology
Order Code MS D607N27UK : 2700V VRRM, UNF Stud, Diode with stud Cathode					

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MS D607

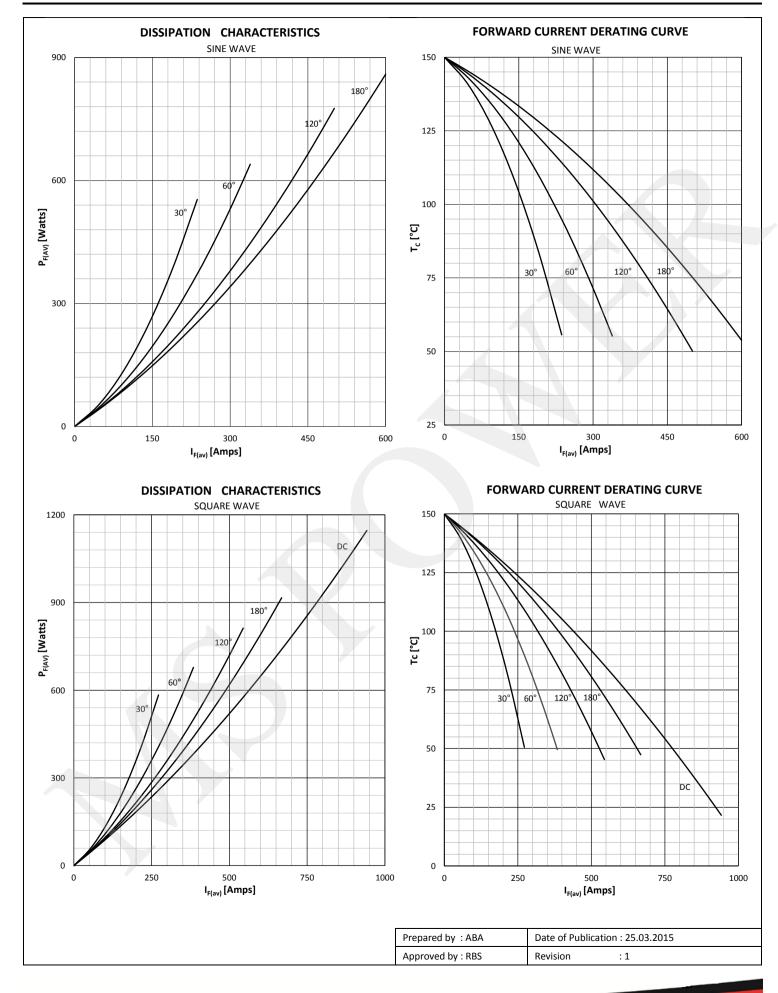


Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		150	2700	V
V RSM	Non-repetitive peak reverse voltage		150	2800	V
I RRM	Repetitive peak reverse current	V= V RRM	25	0.5	mA
I RRM	Repetitive peak reverse current	V= V RRM	150	30	mA
CONDU	CTING				
IF(AV)	Mean forward current	180° sin ,50 Hz, T _c =54°C 180° sin ,50 Hz, T _c =100°C		600 375	A
I FRMS	RMS current	T _c =54°C		942	А
1	Curren formand automat	Sine wave, 10 ms Without reverse voltage	25	12000	А
I FSM	Surge forward current		150	10500	А
10.1		Sine wave, 10 ms Without reverse voltage	25	720 x 10 ³	A²s
l² t	l ² t		150	551 x 10 ³	A²s
V f	Forward voltage	On-state current = 1500A	150	1.44	V
V F(TO)	Threshold voltage		150	0.88	V
۲ _F	Forward slope resistance		150	0.40	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case		0.10	°C/W
R th(c-h)	Thermal impedance	Case to heatsink		0.04	°C/W
Тj	Max. junction temperature			150	°C
T stg	Storage temperature			-40 200	°C
М	Mounting torque			2.7 3.0	KgM
W	Weight (Approx.)			430 ± 5	gm

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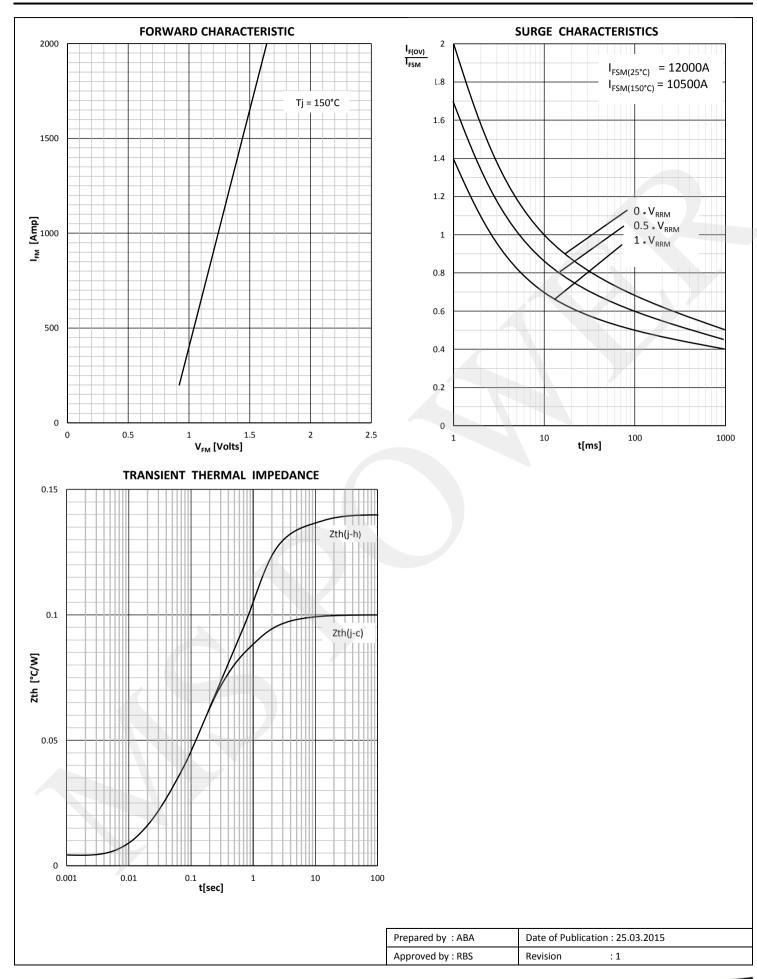
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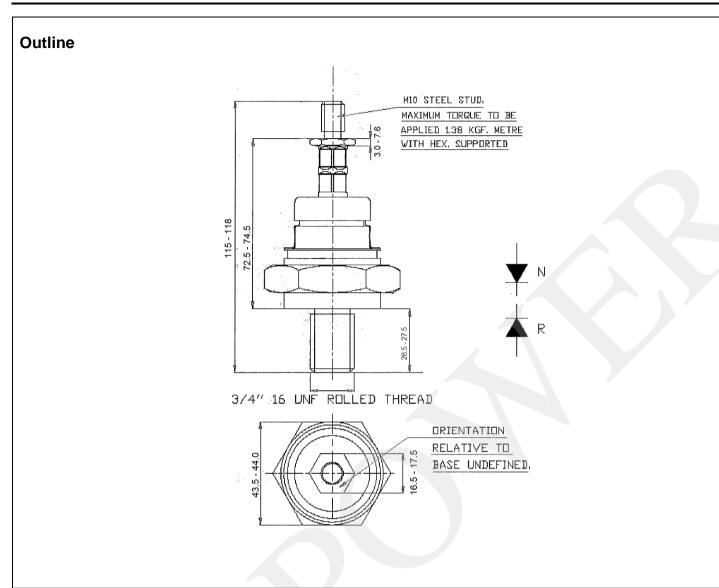
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