

Ordering Information

MS D	83	Ν	хx	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 D83N16MB : 1600V VRRM, Metric Stud, Diode with stud Cathode							
			Г		Date of Publication : 05.2020		



Technical Information Power Rectifier Diodes

MS D83

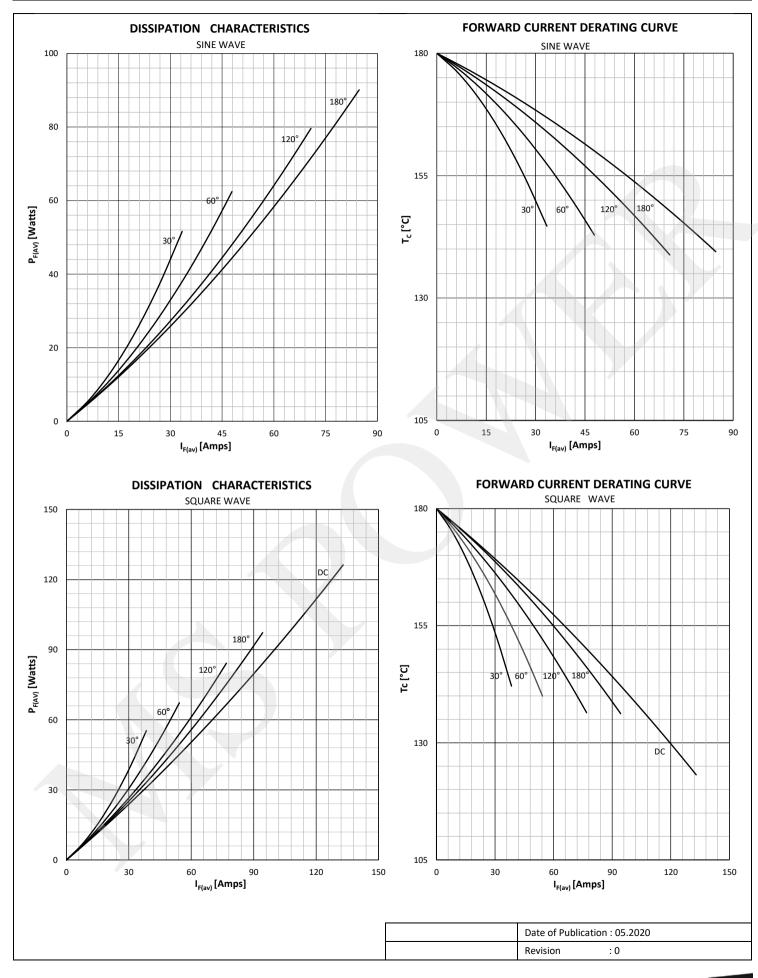


	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		180	200 - 1600	V
V RSM	Non-repetitive peak reverse voltage		180	300 - 1700	V
I RRM	Repetitive peak reverse current	V= V RRM	180	10	mA
CONDU	CTING				
IF (AV)	Mean forward current	180° sin ,50 Hz, T _c =140°C		85	А
I FRMS	RMS current	T _c =140°C		133	А
	Surge forward current	Sine wave, 10 ms Without reverse voltage	25	1800	А
I FSM			180	1700	А
		Sine wave, 10 ms Without reverse voltage	25	16200	A²s
l² t	l² t		180	14450	A ² s
VF	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					
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
Tj	Max. junction temperature			180	°C
T stg	Storage temperature			-40 180	°C
М	Mounting torque			4	NM
147					
W	Weight (Approx.)			40	gm
vv	Weight (Approx.)			40	gm
vv	Weight (Approx.)			40	gm
vv	Weight (Approx.)			40	gm
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vv	Weight (Approx.)		Date of Pub	40	gm

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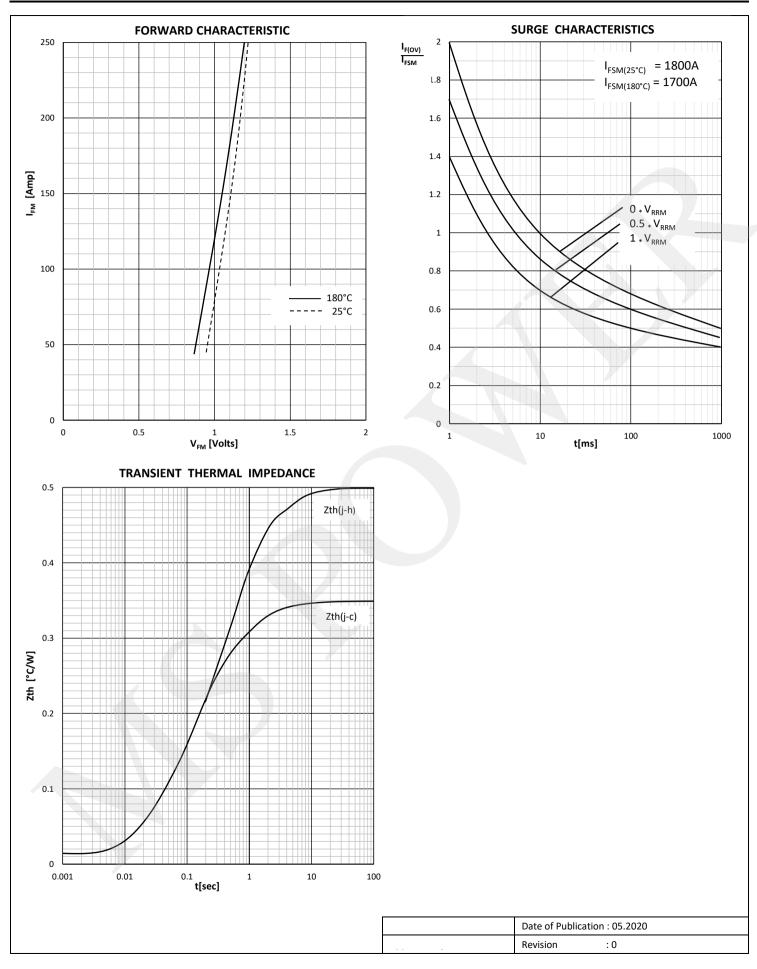




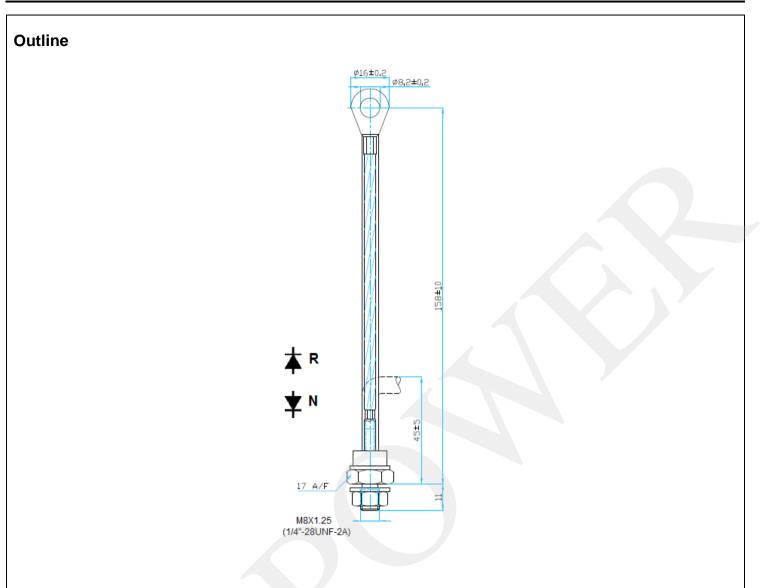
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