MS D254





Features

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

Key Parameters

ApplicationsPower Supplies

- Uncontrolled Rectifiers
- Battery Chargers

Ordering Information

MS D	254	N	ХХ	М	К					
Rectifier Diode	Current code	Polarity R= Stud Anode N= Stud Cathode	Voltage Code Code X 100 = V _{RRM}	Stud Threads M = M12x1.75	Technology K = Pressure Contact Technology					
Order Code MS D254N18MK : 1800V V RRM, M12 Stud, Diode with stud Cathode										
			Pr	epared by : ABA	Date of Publication : 02.2020					
			Ap	proved by : RBS	Revision : 0					

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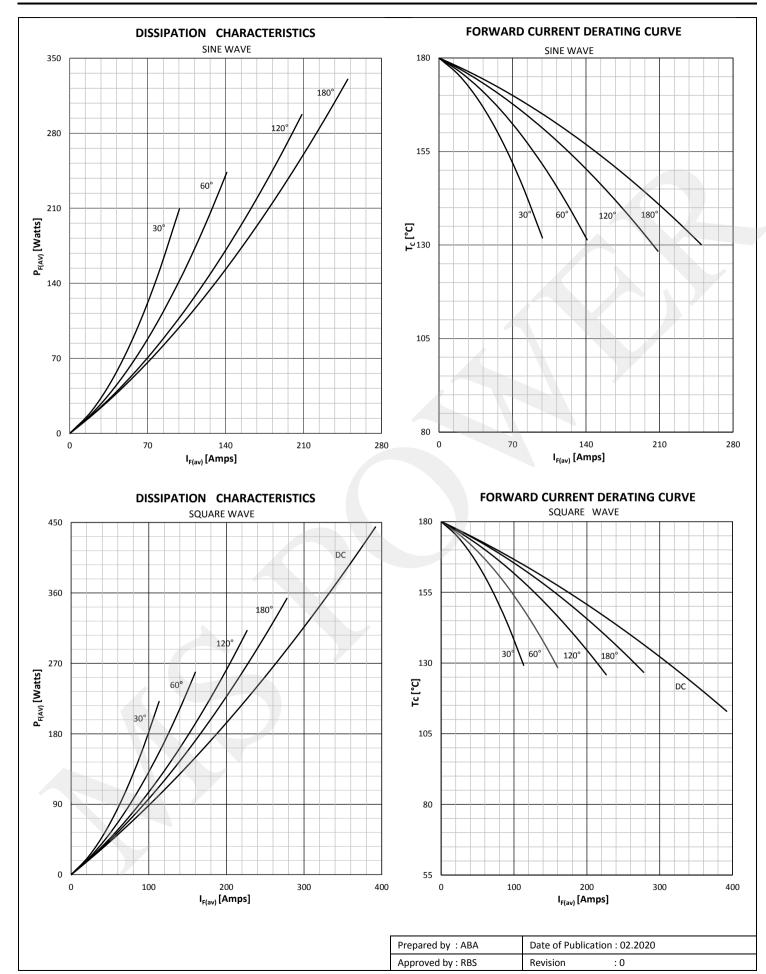
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Symbol	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		180	1800	V
V RSM	Non-repetitive peak reverse voltage		180	1900	V
1.0014	Denetitive peok reverse ourrent	V= V rrm	25	5	mA
I RRM	Repetitive peak reverse current	V = V RRM	180	30	mA
CONDU	CTING				
IF(AV)	Mean forward current	180° sin ,50 Hz, T _c =130°C		250	А
I FRMS	RMS current	T _c =130°C		392	Α
I FSM	Surge forward surrent	Sine wave, 10 ms Without reverse voltage	25	6300	А
	Surge forward current		180	5300	А
l² t		Sine wave, 10 ms	25	198450	A ² s
	l ² t	Without reverse voltage	180	140450	A²s
VF	Forward voltage	On-state current = 800A	180	1.57	V
V F(TO)	Threshold voltage	1	180	0.80	V
r _F	Forward slope resistance		180	0.85	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case		0.151	°C/W
R th(c-h)	Thermal impedance	Case to heatsink		0.04	°C/W
Tj	Max. junction temperature			180	°C
T stg	Storage temperature			-40 180	°C
М	Mounting torque			26	NM
W	Weight (approx.)			300	gm
		Prepared by : ABA		lication : 02.2020	
		Approved by : RBS	Revision	: 0	

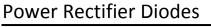
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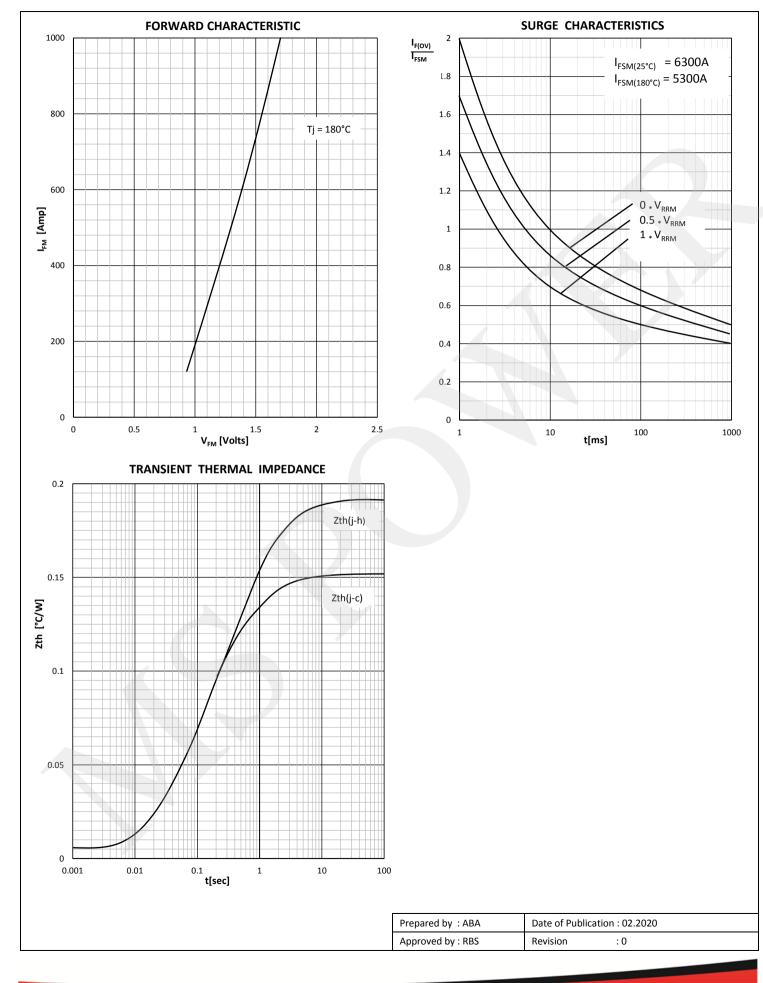




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Outline

ΠT

M12x1.75

33 A/F

63,5

5

MS D254

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N power

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-the conclusion of Quality Agreements;

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