MS DD190





Key Parameters

Vrrm	= 1800V
F(AV)	= 190A
IFSM	= 6500A
V _{F(TO)}	= 0.85V
ΓF	= 0.80mΩ

Features

- Full blocking capability over wide temperature range
- Heat transfer through aluminium oxide ceramic isolated metal baseplate
- Hard soldered joints for high reliability

Applications

- Power Supplies
- Uncontrolled Rectifiers
- Field supply for DC motors
- Battery Chargers
- UPS

Ordering Information

	0					
MS	DD	190	S	X X	XX	
Fixed code	DD- Diode-Diode Module	Current Code	Technology S = Solder Bond Technology	Voltage Co Code X 100 =		
Order Co	Order Code MS DD190S18KK : 1800V VRRM, Common Cathode , Diode-Diode Module					
			Prepared by	: ABA	Date of Publication : 25.03.2015	
			Approved by	: RBS	Revision : 0	

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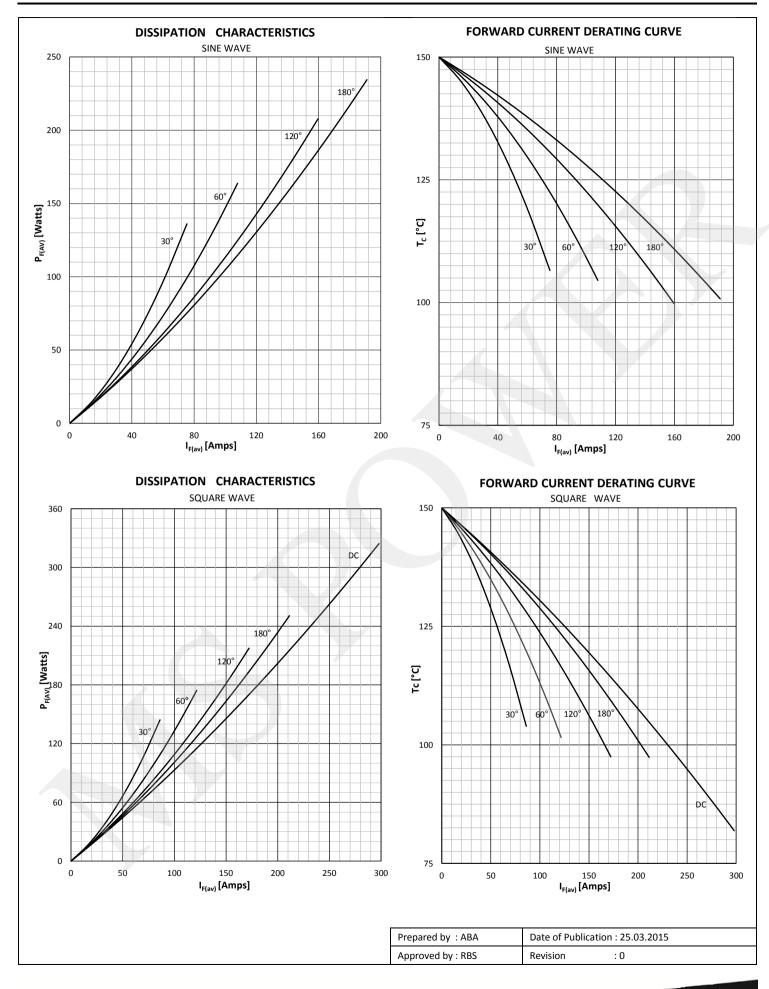


Symbol	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		150	200 - 1800	V
V RSM	Non-repetitive peak reverse voltage		150	300 - 1900	V
I RRM	Repetitive peak reverse current	V= V RRM	150	20	mA
CONDU	CTING				
IF(AV)	Mean forward current	180° sin ,50 Hz, T _c =100°C		190	А
I FRMS	RMS current	T _c =100°C		298	А
		Sine wave, 10 ms	25	6500	А
I FSM	Surge forward current	Without reverse voltage	150	5600	A
		Sine wave, 10 ms	25	211000	A²s
l² t	l² t	Without reverse voltage	150	156800	A²s
VF	Forward voltage	On-state current = 500A	25	1.32	V
V F(TO)	Threshold voltage		150	0.85	V
r _F	Forward slope resistance		150	0.80	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case, per arm per module		0.21 0.11	°C/W
R th(c-h)	Thermal impedance	Case to heatsink, per arm per module		0.10 0.05	°C/W
Тj	Max. junction temperature			150	°C
T stg	Storage temperature			-40 125	°C
VISOL	Insulation test voltage, RMS	F=50Hz, 1min		2.5	KV
M1	Mounting torque			5 ± 15%	Nm
M2	Terminal connection torque			5 ± 15%	Nm
W	Weight (Approx.)			165	gm

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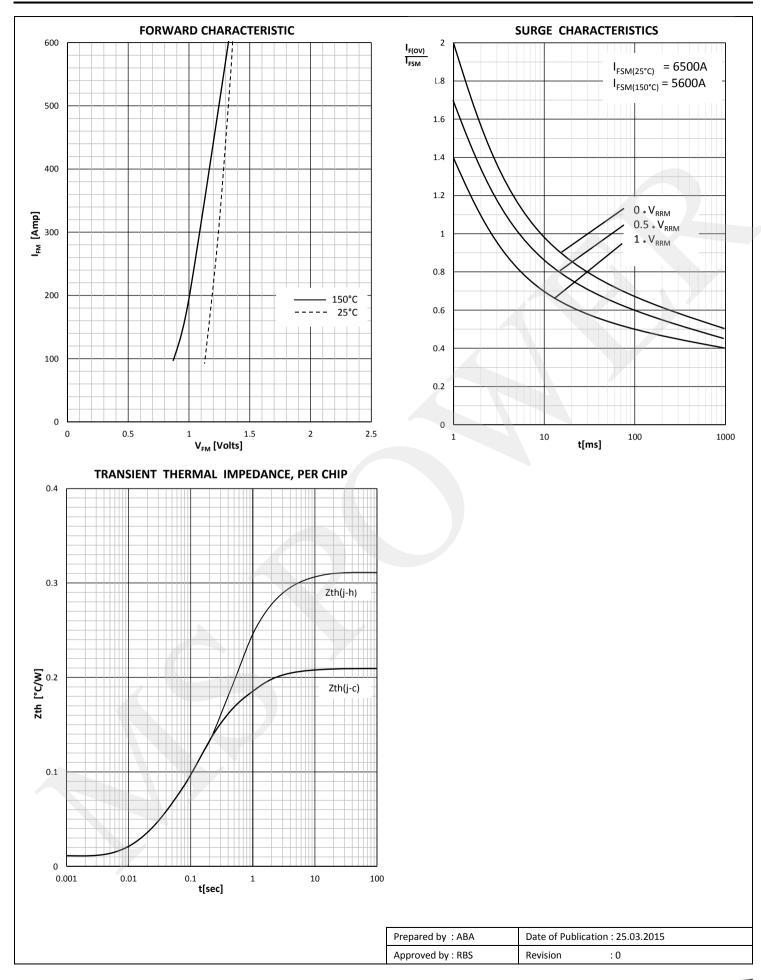
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Outline M6 PHILIPS SCREW ► C 8 30 4 . പ വ Ø6.5×2 HOLES. 17 23 23 24 80 94 (Standard Connection) (Common Anode) (Common Cathode

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-the conclusion of Quality Agreements;

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