MS DZ162





Key Parameters

 V_{RRM} = 1800V= 195AI_{F(AV)} = 6000A**I**FSM $V_{F(TO)}$ = 0.85 V $= 1.2 m\Omega$ ГF

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

MS	DZ	162	S	ХX
Fixed code	DZ- Rectifier Diode Module	Current Code	Technology S = Solder Bond Technology	Voltage Code Code X 100 = V _{RRM}
Order Code MS DZ162S18 : 1800V V _{RRM} , Rectifier Diode Module				

Prepared by : ABA	Date of Publication	n : 04.2022
Approved by : RBS	Revision	: 0

Technical Information Rectifier Diode Modules

MS DZ162



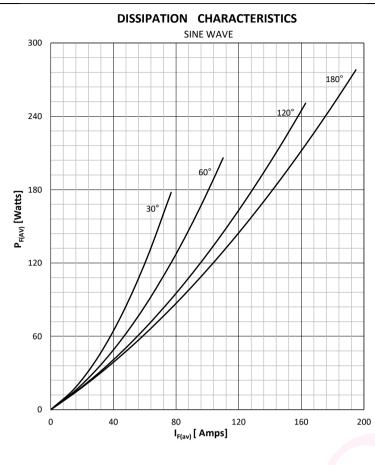
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		135	200 - 1800	V
V RSM	Non-repetitive peak reverse voltage		135	300 - 1900	V
I RRM	Repetitive peak reverse current	V= V RRM	135	10	mA
CONDU	CTING				
l F (AV)	Mean forward current	180° sin ,50 Hz, T _c =85°C T _c =90°C		195 160	А
I FRMS	RMS current	T _c =85°C		306	A
1	Surge forward current	Sine wave, 10 ms	25	6000	А
I FSM		Without reverse voltage	135	5000	А
	² t	Sine wave, 10 ms Without reverse voltage	25	180000	A ² s
l² t			135	125000	A ² s
VF	Forward voltage	On-state current = 500A	25	1.50	V
V F(TO)	Threshold voltage		135	0.85	V
r _F	Forward slope resistance		135	1.2	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case		0.18	°C/W
R th(c-h)	Thermal impedance	Case to heatsink		0.10	°C/W
Тj	Max. junction temperature			135	°C
T stg	Storage temperature			-40 135	°C
V_{ISOL}	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

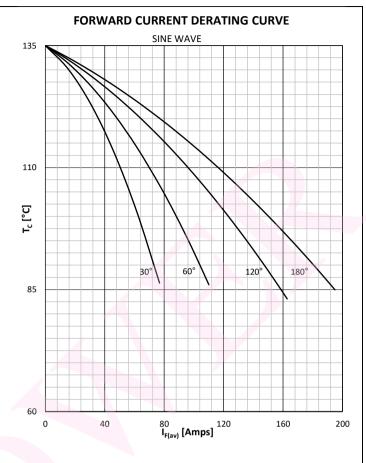
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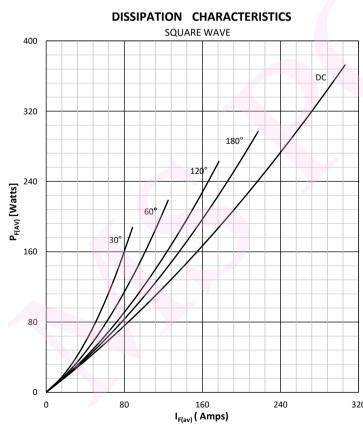
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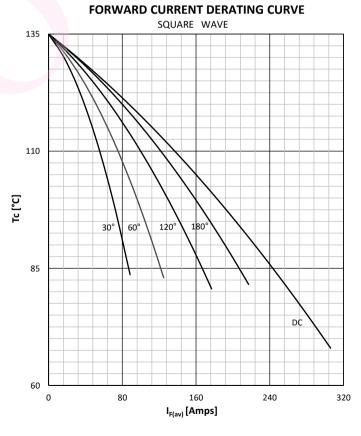
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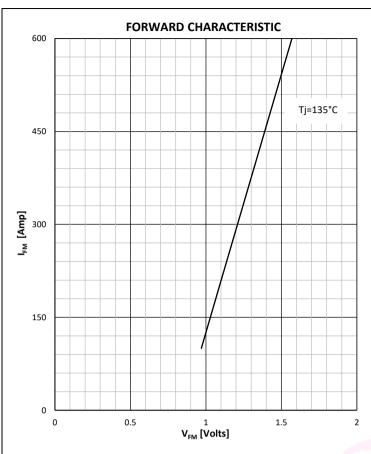


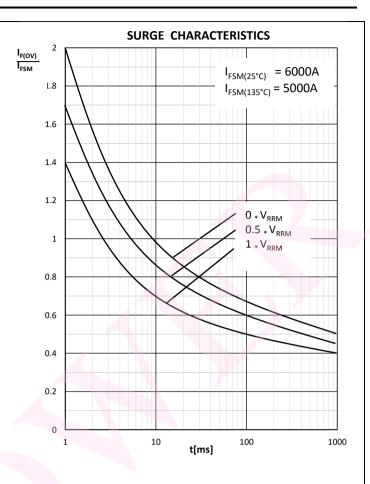
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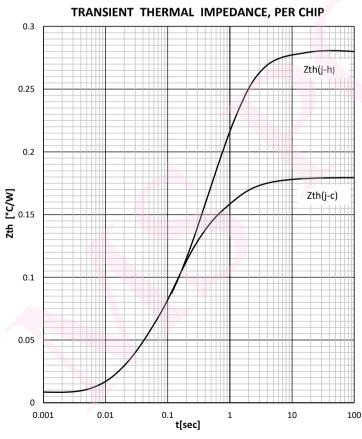
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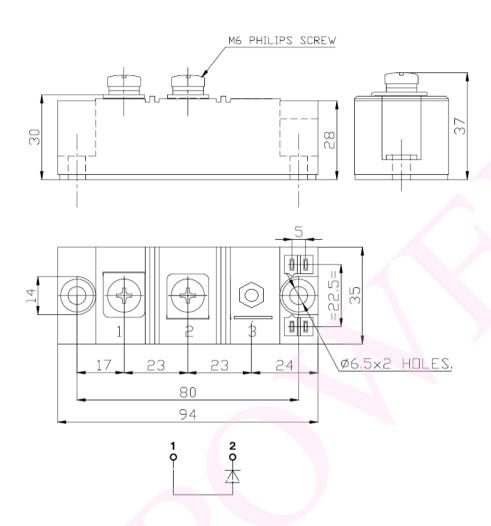


Prepared by : ABA	Date of Publicatio	n : 04.2022
Approved by : RBS	Revision	:0

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