MS DZ1080





Key Parameters

 V_{RRM} = 2800 V= 1087AI_{F(AV)} = 32000AIFSM $V_{F(TO)}$ = 0.80V $= 0.110 \text{m}\Omega$ ГF

Features

- Full blocking capability over wide temperature range
- Heat transfer through aluminium oxide ceramic isolated metal base plate
- Pressure contacts technology for high reliability

Applications ■ Power Supplies

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

Ordering Information

MS	DZ	1080	K	ХX
Fixed code	DZ- Rectifier Diode Module	Current Code	Technology K = Pressure Contact Technology	Voltage Code Code X 100 = V _{RRM}
Order Code MS DZ1080K28 : 2800V V _{RRM} , Rectifier Diode Module				

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Technical Information Rectifier Diode Modules

MS DZ1080



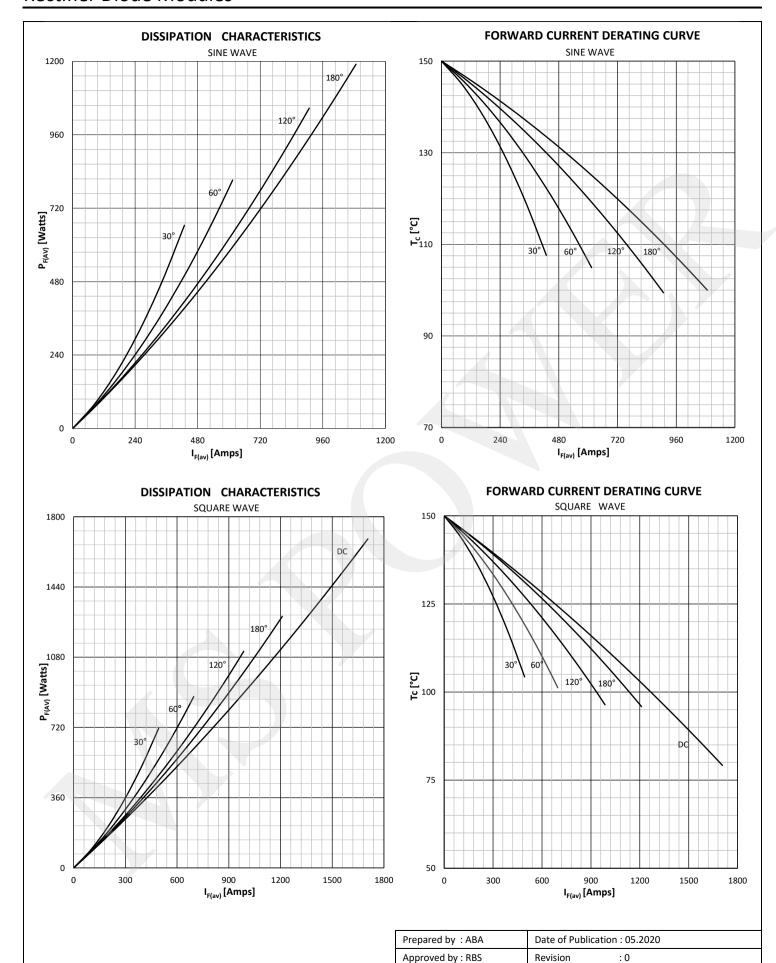
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		150	2000 - 2800	V
V RSM	Non-repetitive peak reverse voltage		150	2100 - 2900	V
I RRM	Repetitive peak reverse current	V= V RRM	150	75	mA
CONDU	CTING		·		
I F (AV)	Mean forward current	180° sin ,50 Hz, T _c =100°C		1087	А
I FRMS	RMS current	T _c =100°C		1707	А
		Sine wave, 10 ms	25	32000	Α
l FSM	Surge forward current	Without reverse voltage	150	30000	Α
		Sine wave, 10 ms	25	5120 x 10 ³	A²s
l² t	I² t	Without reverse voltage	150	4500 x 10 ³	A ² s
VF	Forward voltage	On-state current = 1800A	25	1.20	V
V F(TO)	Threshold voltage		150	0.80	V
r _F	Forward slope resistance		150	0.110	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case, per module		0.042	°C/W
R th(c-h)	Thermal impedance	Case to heatsink, per module		0.015	°C/W
Тj	Max. junction temperature			150	°C
T stg	Storage temperature			-40 150	°C
V _{ISOL}	Insulation test voltage, RMS	F=50Hz, 1min		4.5	KV
M1	Mounting torque			4 - 6	Nm
M2	Terminal connection torque			12 - 18	Nm
W	Weight (Approx.)			2800	gm

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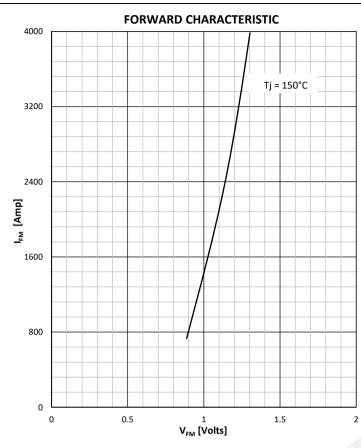


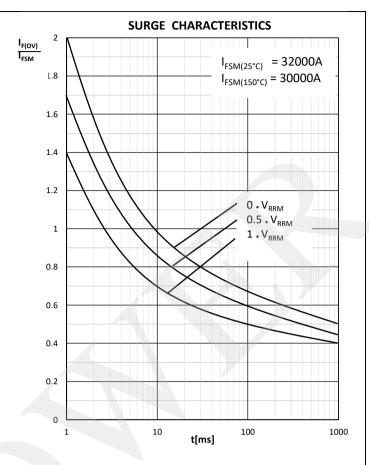


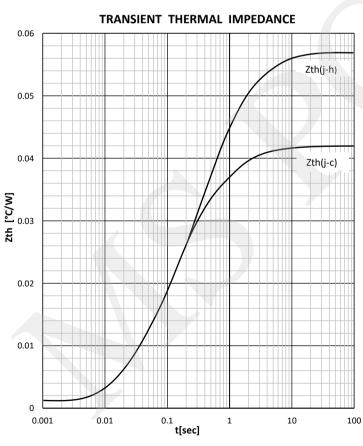
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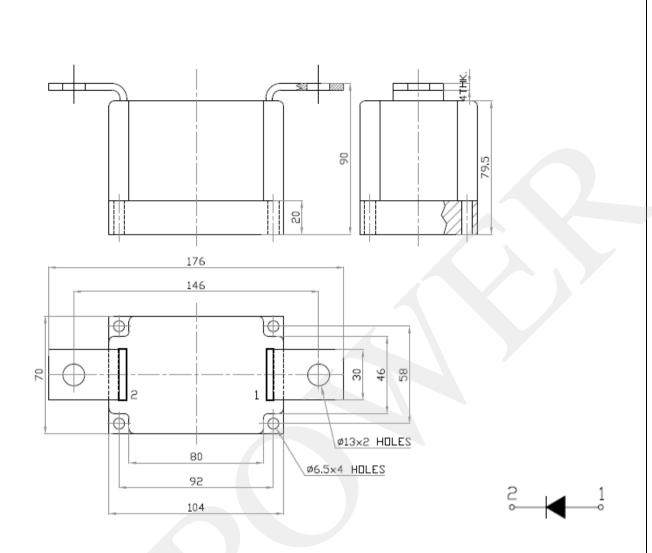


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