MS DD700





Key Parameters

 V_{RRM} = 2200V= 700A I_{F(AV)} = 22000A IFSM $V_{F(TO)}$ = 0.78 V $= 0.185 m\Omega$ 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
- UL Recognized, file no. E505556

Applications Power Supplies

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

Ordering Information

MS	DD	700	K	22
Fixed code	DD- Diode- Diode Module	Current Code	Technology K = Pressure Contact Technology	Voltage Code Code X 100 = V _{RRM}
Order Code MS DD700K22 : 2200V V _{RRM} , Diode-Diode Module				

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Technical Information Rectifier Diode Modules

MS DD700



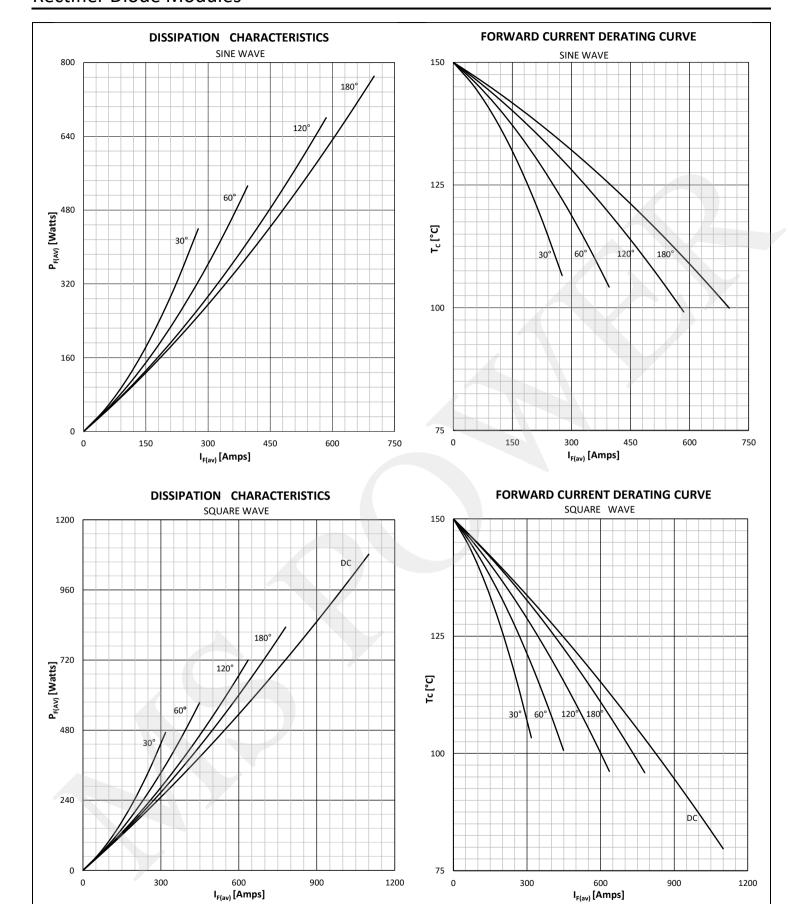
Symbol	Characteristic	Conditions	Tj [° <i>C</i>]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		150	2000 - 2200	V
V RSM	Non-repetitive peak reverse voltage		150	2100 - 2300	V
I RRM	Repetitive peak reverse current	V= V RRM	150	40	mA
CONDU	CTING				
l F (AV)	Mean forward current	180° sin ,50 Hz, T _c =100°C		700	А
I FRMS	RMS current			1100	Α
		Sine wave, 10 ms	25	22000	Α
l fsm	Surge forward current	Without reverse voltage	150	19000	Α
		Sine wave, 10 ms	25	2420 x 10 ³	A ² s
l² t	l² t	Without reverse voltage	150	1805 x 10 ³	A ² s
VF	Forward voltage	On-state current = 2200A	150	1.36	V
V F(TO)	Threshold voltage		150	0.78	V
r _F	Forward slope resistance		150	0.185	mΩ
MOUNT	ING				
R th(j-c)	Thermal impedance, sin 180°	Junction to case, per arm per module		0.065 0.0325	°C/W
R th(c-h)	Thermal impedance	Case to heatsink, per arm per module		0.02 0.01	°C/W
Тj	Max. junction temperature			150	°C
T stg	Storage temperature			-40 150	°C
V _{ISOL}	Insulation test voltage, RMS	F=50Hz, 1min		3.0	KV
M1	Mounting torque			6 ± 15%	Nm
M2	Terminal connection torque			12 ± 10%	Nm
W	Weight (Approx.)			1480	gm
A1 ®	File No.			E505556	

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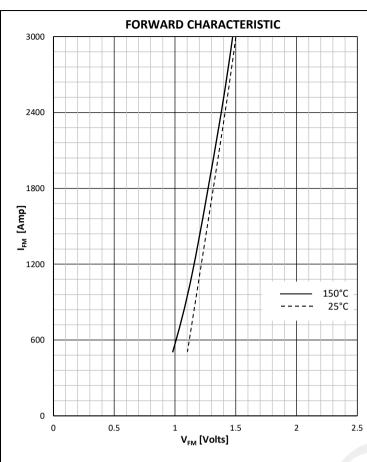
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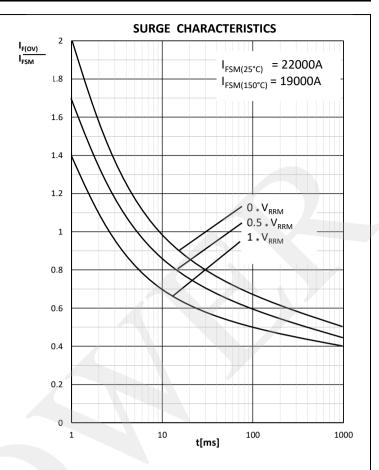
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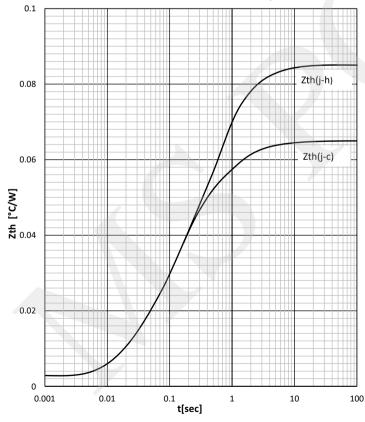
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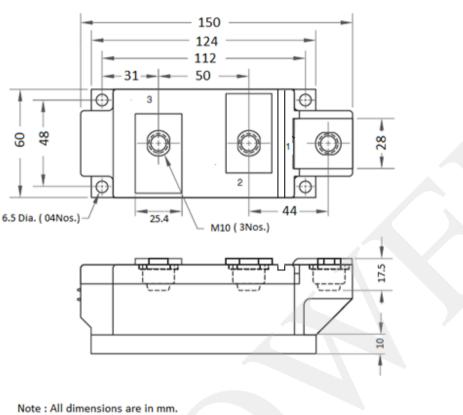


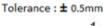
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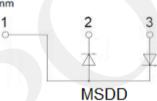
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