MS D400





Key Parameters

 V_{RRM} = 1600V = 400A = 7400A = 1600VI_{F(AV)} IFSM $V_{F(TO)}$ = 0.75 V $= 0.35 \text{m}\Omega$ ГF

Features

- Full blocking capability over wide temperature range
- Hermetic metal case with glass insulator
- Flat base

Applications Power Supplies

- Uncontrolled Rectifiers
- Battery Chargers

Ordering Information

MS D	400	N	хх	F	В
Rectifier Diode	Current code	Polarity R= Base Anode N= Base Cathode	Voltage Code Code X 100 = V _{RRM}	F = Flat Base	Technology B = Solder Bond Technology
Order Code, MS D400N16FB : 1600V, Veen, Flat, Base, Diode with base Cathode					

Prepared by : ABA	Date of Publication	n : 25.03.2015
Approved by : RBS	Revision	: 0

Technical Information Power Rectifier Diodes

MS D400



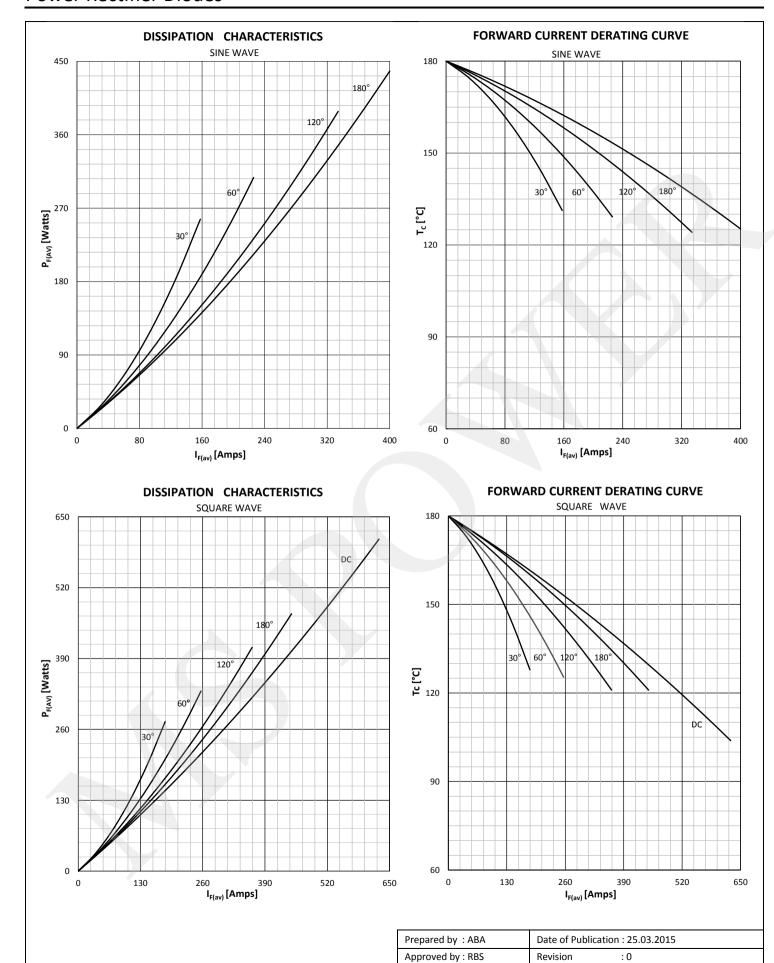
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		180	200 - 1600	V
V RSM	Non-repetitive peak reverse voltage		180	300 - 1700	V
I RRM	Repetitive peak reverse current	V= V rrm	180	50	mA
CONDU	CTING				
l F (AV)	Mean forward current	180° sin ,50 Hz, T _c =125°C		400	А
I FRMS	RMS current			628	Α
1	0	Sine wave, 10 ms	25	7400	Α
I FSM	Surge forward current	Without reverse voltage	180	7000	Α
		Sine wave, 10 ms	25	274 x 10 ³	A²s
l² t	I ² t	Without reverse voltage	180	245 x 10 ³	A ² s
VF	Forward voltage	On-state current = 1050A	180	1.12	V
V F(TO)	Threshold voltage		180	0.75	V
r F	Forward slope resistance		180	0.35	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case		0.125	°C/W
R th(c-h)	Thermal impedance	Case to heatsink		0.02	°C/W
Тj	Max. junction temperature			180	°C
T stg	Storage temperature			-40 180	°C
М	Mounting torque			20	NM
W	Weight (Approx.)			350	gm

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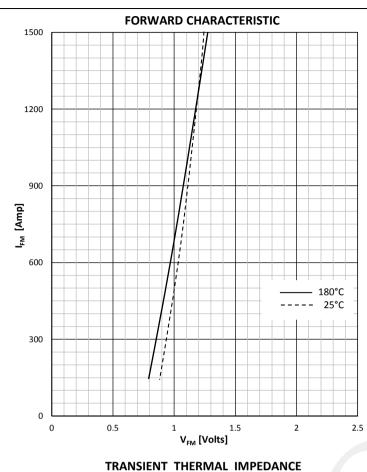


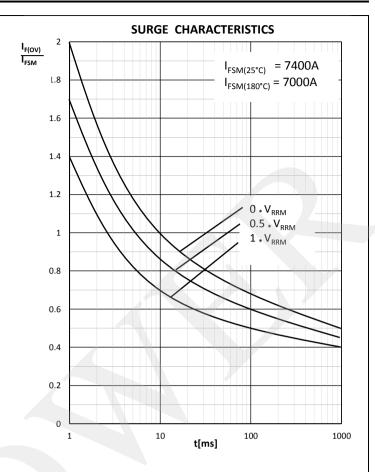
Technical Information

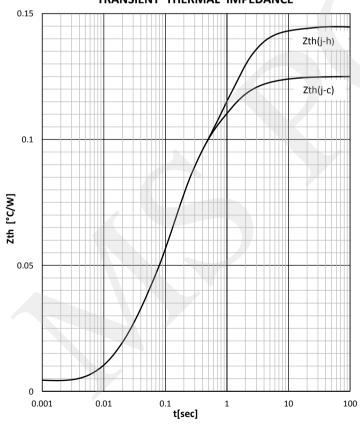
Power Rectifier Diodes

MS D400







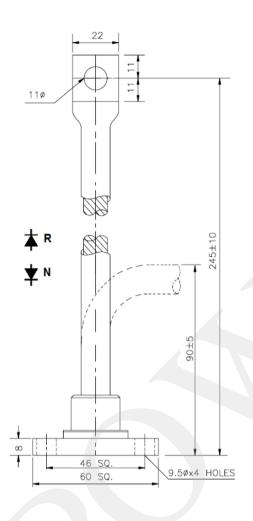


Prepared by : ABA	Date of Publication : 25.03.2015		
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