MS D300





Key Param.

V_{RRM} = 300A = 5600A = 0.75V $= 0.40 \text{m}\Omega$ r _F

Features

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

Applications ■ Power Supplies

- Uncontrolled Rectifiers
- Battery Chargers

Ordering Information

MS D	300	N	ХX	M	В
Rectifier Diode	Current code	Polarity R= Base Anode N= Base Cathode	Voltage Code Code X 100 = V _{RRM}	M = Flat Base	Technology B = Solder Bond Technology
Order Code MS D300N16FB : 1600V V _{RRM} , Flat Base, Diode with base Cathode					

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Technical Information Power Rectifier Diodes

MS D300



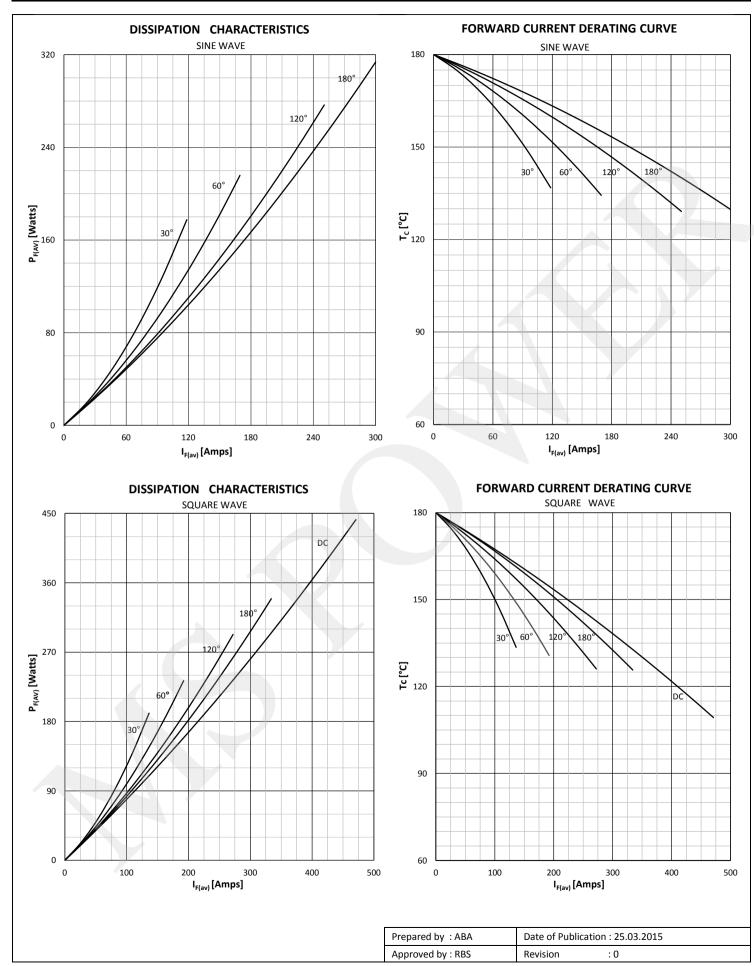
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
вьоскі	NG				
V RRM	Repetitive peak reverse voltage		180	200 - 1600	V
V RSM	Non-repetitive peak reverse voltage		180	300 - 1700	V
I RRM	Repetitive peak reverse current	V= V RRM	180	40	mA
CONDU	CTING				
I F (AV)	Mean forward current	180° sin ,50 Hz, T _c =130°C		300	Α
I FRMS	RMS current			471	Α
1	Surge forward current	Sine wave, 10 ms Without reverse voltage	25	5600	Α
l fsm			180	5200	Α
		Sine wave, 10 ms	25	157 x 10 ³	A²s
I² t	I² t	Without reverse voltage	180	135 x 10 ³	A ² s
VF	Forward voltage	On-state current = 1000A	180	1.20	V
V F(TO)	Threshold voltage		180	0.75	V
r _F	Forward slope resistance		180	0.40	mΩ
MOUNTI	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case		0.16	°C/W
R th(c-h)	Thermal impedance	Case to heatsink		0.05	°C/W
Тj	Max. junction temperature			180	°C
T stg	Storage temperature			-40 180	°C
М	Mounting torque			18	NM
W	Weight (Approx.)			250	gm

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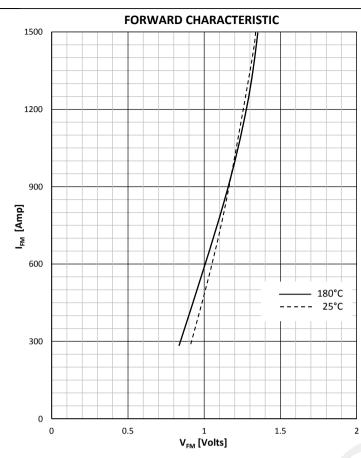


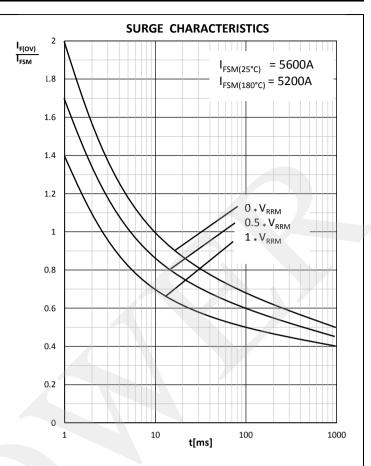


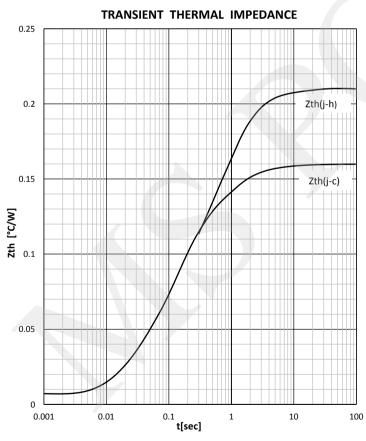
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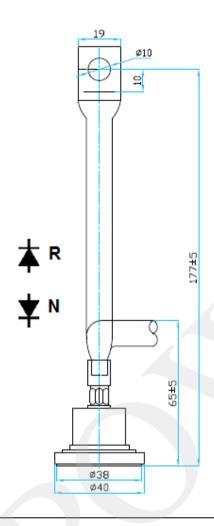


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Outline





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