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ices have the following featFi f203244 3.266 44.78 .9071 refBT8 0 82682709 69.486 Tm(100)TET2483 64.44

J	55 to +175	°C
dv/dt	10,000	V/μs
E _{AS}	100	mJ

MBR5H100MFS, NRVB5H100MFS

THERMAL CHARACTERISTICS

Characteristic	Symbol	Typ	Max	Unit
Thermal Resistance, Junction to Case, Steady State (Assumes 600 mm ² 1 oz. copper bond pad, on a FR4 board)	$R_{\theta JC}$		2.4	°C/W

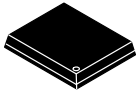
ELECTRICAL CHARACTERISTICS

Instantaneous Forward Voltage (Note 1) ($i_F = 5$ Amps, $T_J = 125^\circ\text{C}$) ($i_F = 5$ Amps, $T_J = 25^\circ\text{C}$)	V_F	0.56	0.6	V
		0.6	0.73	
Instantaneous Reverse Current (Note 1) (Rated dc Voltage, $T_J = 125^\circ\text{C}$) (Rated dc Voltage, $T_J = 25^\circ\text{C}$)	i_R	3	13	mA
		0.003	0.1	

1. Pulse Test: Pulse Width = 300 μs , Duty Cycle $\leq 2.0\%$.

MBR5H100MFS, NRVB5H100MFS

TYPICAL CHARACTERISTICS



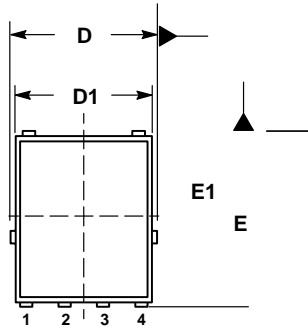
SCALE 2:1

**DFN5 5x6, 1.27P
(SO-8FL)
CASE 488AA
ISSUE N**

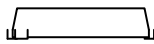
DATE 25 JUN 2018

NOTES:

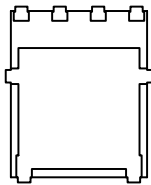
1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M, 1994.
2. CONTROLLING DIMENSION: MILLIMETER.
3. DIMENSION D1 AND E1 DO NOT INCLUDE MOLD FLASH PROTRUSIONS OR GATE BURRS.



TOP VIEW



SIDE VIEW



BOTTOM VIEW

θ

M	3.00	3.40	3.80
θ	0 °	—	12 °

XXXXXX = Specific Device Code
 A = Assembly Location
 Y = Year
 W = Work Week
 ZZ = Lot Traceability



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