February, 2023 – Rev. 1

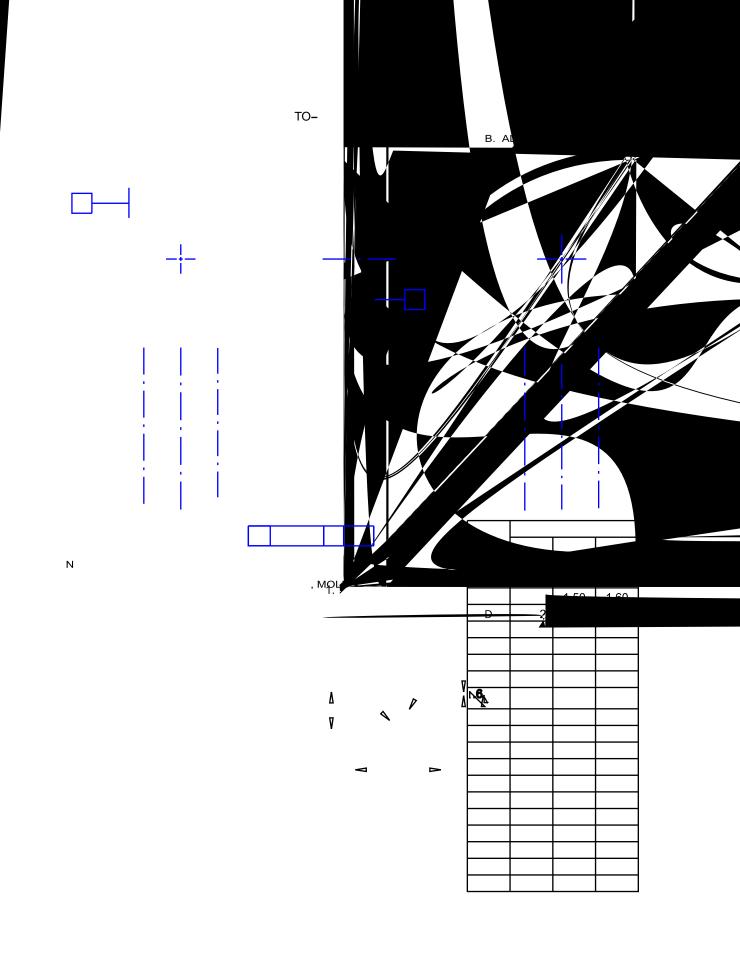
onse M

FFSH1265BDN-F085

Symbol	Parameter		Value	Unit
V _{RRM}	Peak Repetitive Reverse Voltage		650	V
E _{AS}	Single Pulse Avalanche Energy	(Note 1)	24.5*	mJ
I _F	Continuous Rectified Forward Current @ $T_C < 145^{\circ}C$		6*/12**	А
	Continuous Rectified Forward Current @ T _C < 135°C		7.2*/14.4**	1
I _{F, Max}	Non-Repetitive Peak Forward Surge Current	T _C = 25°C, 10 μs	510	А
		T _C = 150°C, 10 μs	454	А
I _{F,SM}	Non-Repetitive Forward Surge Current $T_{C} = 25^{\circ}C$	Half-Sine Pulse, t _p = 8.3 ms	24	A
Ptot	Power Dissipation	$T_{C} = 25^{\circ}C$	52	W
		T _C = 150°C	8.6	W
T _J , T _{STG}	Operating and Storage Temperature Range		-55 to +175	°C
	TO247 Mounting Torque, M3 Screw		60	Ncm

ABSOLUTE MAXIMUM RATINGS (T_C = 25° C unless otherwise noted)

FFSH1265BDN-F085



onsemi, , and other names, marks, and brands are registered and/or common law trademarks of Semiconductor Components Industries, LLC dba "onsemi" or its affiliates and/or subsidiaries in the United States and/or other countries. onsemi owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of onsemi's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. Onsemi reserves the right to make changes at any time to any products or information herein, without notice. The information herein is provided "as-is" and onsemi makes no warranty, representation or guarantee regarding the accuracy of the information, product features, availability, functionality, or suitability of its products for any particular purpose, nor does onsemi assume any liability arising out of the application or use of any product or incruit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using onsemi