



FFSH1265BDN-F085

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

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°C	6*/12**	A	
	Continuous Rectified Forward Current @ T _C < 135°C	7.2*/14.4**		
I _{F, Max}	Non-Repetitive Peak Forward Surge Current	T _C = 25°C, 10 μs	510	A
		T _C = 150°C, 10 μs	454	A
I _{F, SM}	Non-Repetitive Forward Surge Current T _C = 25°C	Half-Sine Pulse, t _p = 8.3 ms	24	A
P _{tot}	Power Dissipation	T _C = 25°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	

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