

FFSH1665ADN-F155

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)	49	mJ	
I _F	Continuous Rectified Forward Current @ T _C < 150°C	8*/16**	A	
	Continuous Rectified Forward Current @ T _C < 135°C	11*/22**		
I _{F, Max}	Non-Repetitive Peak Forward Surge Current	T _C = 25°C, 10 μs	750	A
		T _C = 150°C, 10 μs	730	A
I _{F, SM}	Non-Repetitive Forward Surge Current	Half-Sine Pulse, t _p = 8.3 ms	49	A
I _{F, RM}	Repetitive Forward Surge Current	Half-Sine Pulse, t _p = 8.3 ms	34	A
P _{tot}	Power Dissipation	T _C = 25°C	77	W
		T _C = 150°C	13	W
T _J , T _{STG}				

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TYPICAL CHARACTERISTICS $T_J = 25^{\circ}\text{C}$ UNLESS OTHERWISE NOTED



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