

DAMPER DIODE

Absolute Maximum Ratings Tc=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Peak Repetitive Reverse Voltage	1500	V
I _{F(AV)}	Average Rectified Forward Current $@T_{C} = 125^{\circ}C$	14	А
I _{FSM}	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	140	A
T _{J,} T _{STG}	Operating Junction and StorageTemperature	- 65 to +150	°C

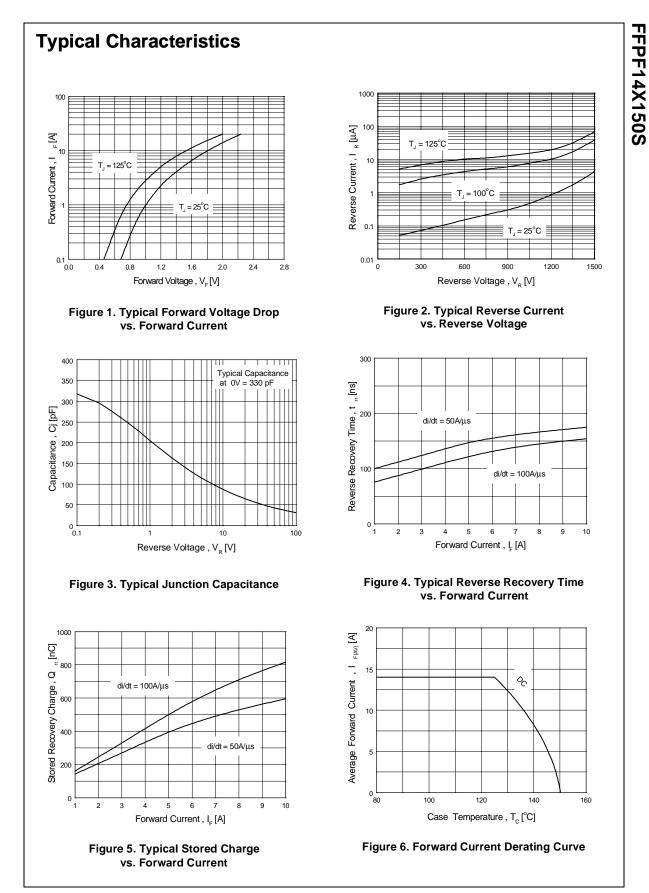
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{\theta JC}$	Maximum Thermal Resistance, Junction to Case	1.5	°C/W

Electrical Characteristics Tc=25 °C unless otherwise noted

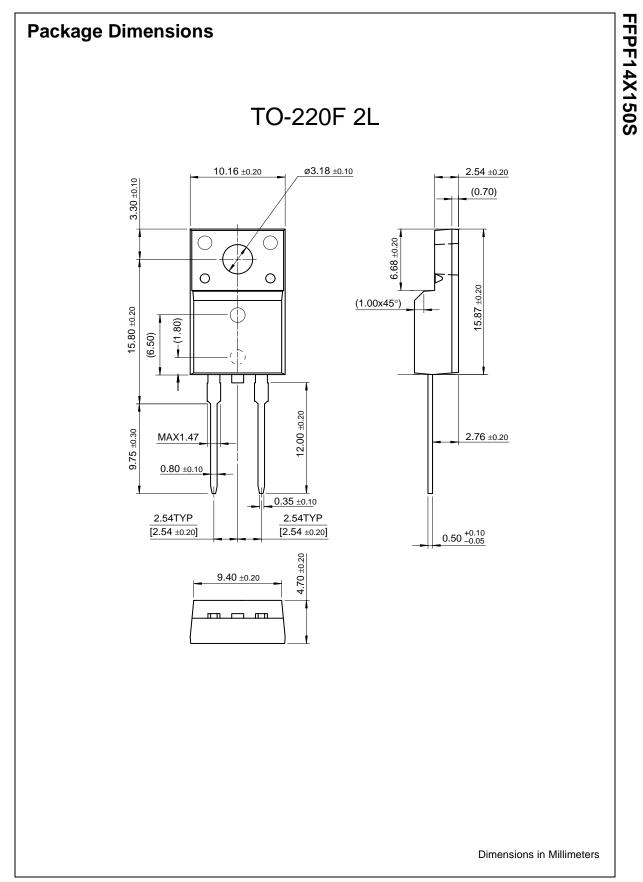
Symbol	Parameter		Min.	Тур.	Max.	Units V
V _{FM} *	Maximum Instantaneous Forward Voltage	Voltage				
	I _F = 14A	T _C = 25 °C	-	-	2.4	
	I _F = 14A	T _C = 25 °C T _C = 125 °C	-	-	2.1	
RM *	Maximum Instantaneous Reverse Current					μΑ
	@ rated V _R	T _C = 25 °C	-	-	20	
		T _C = 25 °C T _C = 125 °C	-	-	300	
t _{rr}	Maximum Reverse Recovery Time (I _F =1A, di/dt = 50A/µs)		-	-	120	ns
t _{fr}	Maximum Forward Recovery Time (I _F =6.5A, di/dt = 50A/μs)		-	-	290	ns
V _{FRM}	Maximum Forward Recovery Voltage		-	-	13	V

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	•	Rev. E1