

DAMPER DIODE

Absolute Maximum Ratings T_C=25°C unless otherwise noted

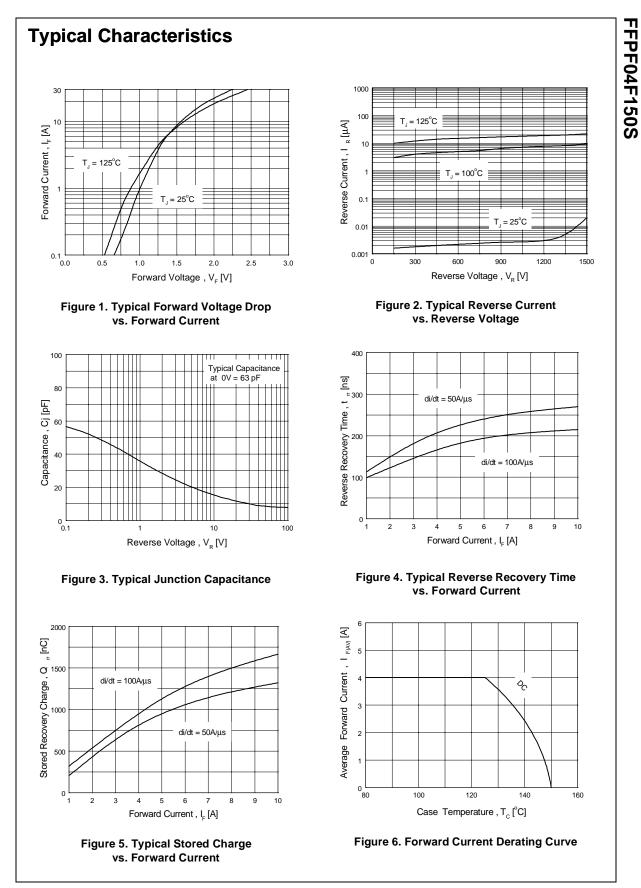
Symbol	Parameter	Value	Units
V _{RRM}	Peak Repetitive Reverse Voltage	1500	V
I _{F(AV)}	Average Rectified Forward Current $@T_C = 125^{\circ}C$	4	A
I _{FSM}	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	40	A
T _{J,} T _{STG}	Operating Junction and StorageTemperature	- 65 to +150	°C

Thermal Characteristics

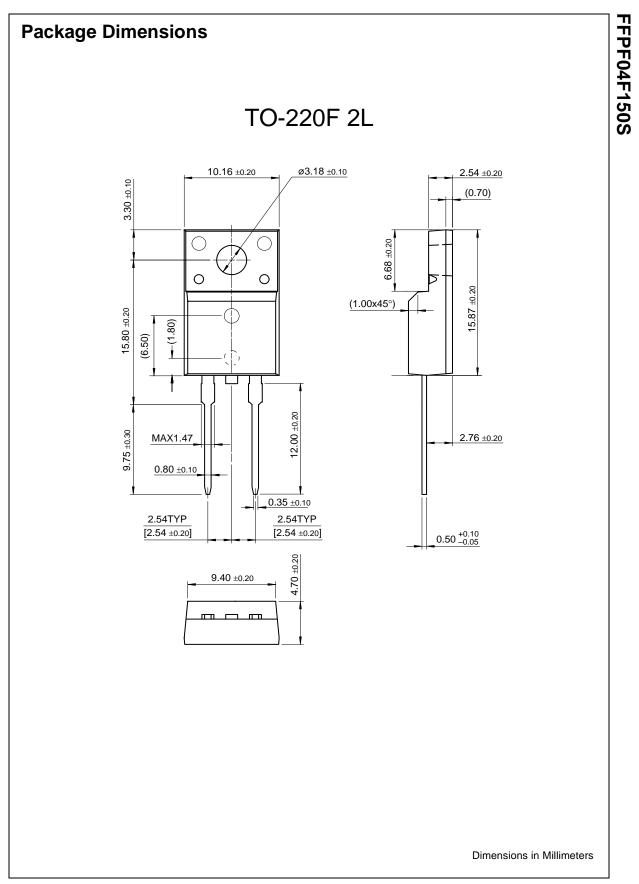
Symbol	Parameter	Value	Units
$R_{\theta JC}$	Maximum Thermal Resistance, Junction to Case	5.0	°C/W

Electrical Characteristics T_C=25 °C unless otherwise noted

Symbol	Parameter			Тур.	Max.	Units
V _{FM} *	Maximum Instantaneous Forward Voltage		_			V
	I _F = 4A	T _C = 25 °C T _C = 125 °C	-	-	1.5	
	$I_F = 4A$	T _C = 125 °C	-	-	1.4	
I _{RM} *	Maximum Instantaneous Reverse Current					μA
	@ rated V _R	T _C = 25 °C	-	-	5	
		T _C = 25 °C T _C = 125 °C	-	-	250	
t _{rr}	Maximum Reverse Recovery Time		-	-	170	ns
	$(I_F = 1A, di/dt = 50A/\mu s)$					
t _{fr}	Maximum Forward Recovery Time		-	-	450	ns
	(I _F =6.5A, di/dt = 50A/μs)					
V _{FRM}	Maximum Forward Recovery Voltage		-	-	19	V



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