

DAMPER DIODE

Absolute Maximum Ratings T_C=25°C unless otherwise noted

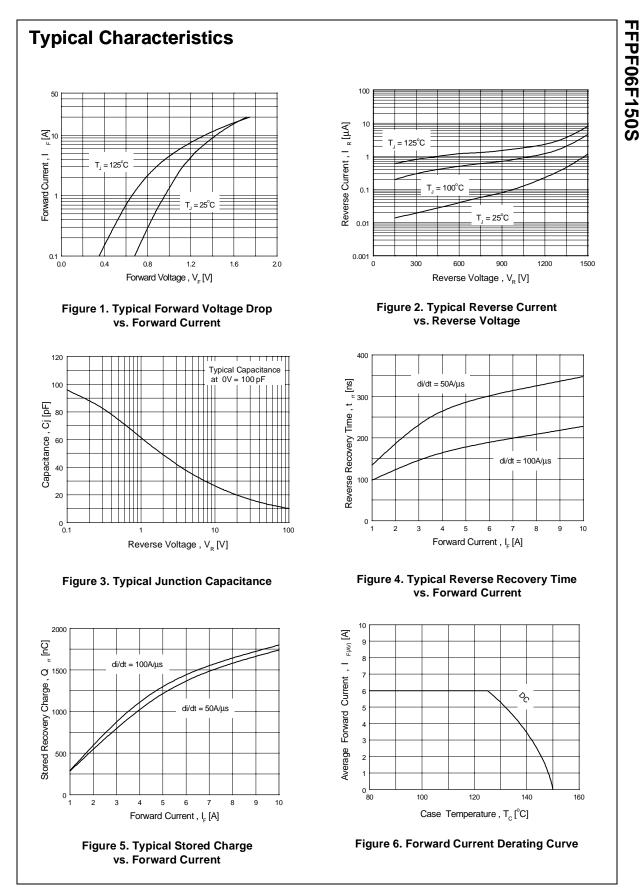
Symbol	Parameter	Value	Units	
V _{RRM}	Peak Repetitive Reverse Voltage	1500	V	
I _{F(AV)}	Average Rectified Forward Current $@T_C = 125^{\circ}C$	6	А	
I _{FSM}	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	60	A	
T _{J,} T _{STG}	Operating Junction and StorageTemperature	- 65 to +150	°C	

Thermal Characteristics

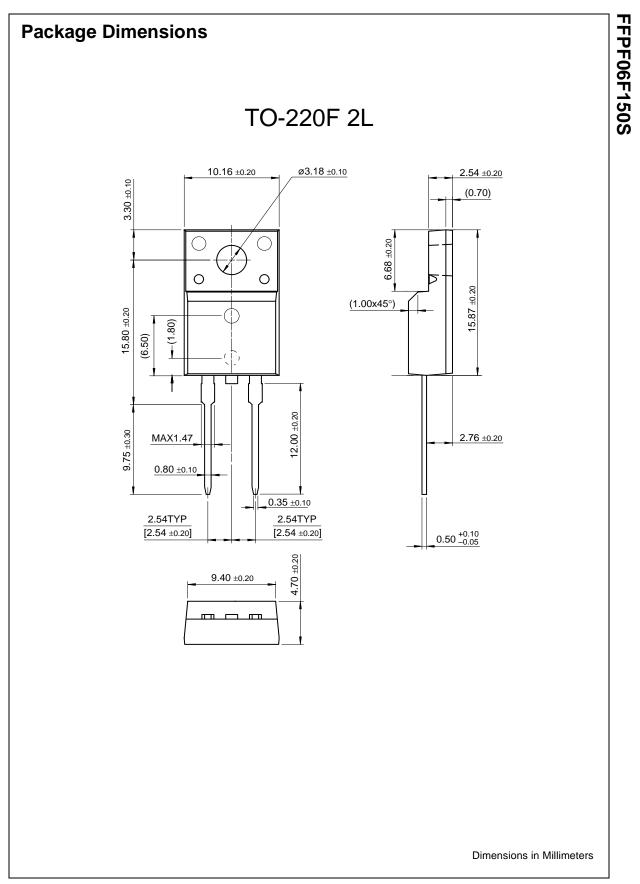
Symbol	Parameter	Value	Units
$R_{\theta JC}$	Maximum Thermal Resistance, Junction to Case	4.0	°C/W

Electrical Characteristics T_C=25 °C unless otherwise noted

Parameter		Min.	Тур.	Max.	Units
Maximum Instantaneous Forward Voltage	T 05.00				V
1	$T_{C} = 25 ^{\circ}C$	-	-	-	
I _F = 6A	T _C = 125 °C	-	-	1.4	
Maximum Instantaneous Reverse Current					μΑ
@ rated V _R	T _C = 25 °C	-	-	7	
	T _C = 125 °C	-	-	60	
Maximum Reverse Recovery Time		-	-	170	ns
(I _F =1A, di/dt = 50A/µs)					
Maximum Forward Recovery Time		-	-	350	ns
(I _F =6.5A, di/dt = 50A/µs)					
Maximum Forward Recovery Voltage		-	-	17	V
-	$\label{eq:constraint} \begin{array}{l} \mbox{Maximum Instantaneous Forward Voltage} & I_F = 6A \\ I_F = 6A \\ \mbox{I}_F = 6A \\ \mbox{Maximum Instantaneous Reverse Current} \\ \hline \end{tabular} \\ \mbox{Maximum Reverse Recovery Time} \\ \mbox{(I}_F = 1A, \mbox{di/dt} = 50A/\mu s) \\ \mbox{Maximum Forward Recovery Time} \\ \mbox{(I}_F = 6.5A, \mbox{di/dt} = 50A/\mu s) \\ \end{array}$	$\label{eq:state} \begin{array}{ c c c } \hline \mbox{Maximum Instantaneous Forward Voltage} & & & & T_C = 25 \ ^{\circ}C & & & T_C = 125 \ ^{\circ}C & & T_C = 125 $	$\label{eq:relation} \begin{array}{ c c c } \hline Maximum Instantaneous Forward Voltage & I_F = 6A & T_C = 25 \ ^{\circ}C & - \\ I_F = 6A & T_C = 125 \ ^{\circ}C & - \\ \hline Maximum Instantaneous Reverse Current & T_C = 25 \ ^{\circ}C & - \\ \hline Maximum Reverse Recovery Time & T_C = 125 \ ^{\circ}C & - \\ \hline Maximum Reverse Recovery Time & - \\ \hline (I_F = 1A, \ di/dt = 50A/\mu s) & - \\ \hline Maximum Forward Recovery Time & - \\ \hline (I_F = 6.5A, \ di/dt = 50A/\mu s) & - \\ \hline \end{array}$	$\begin{tabular}{ c c c c c c } \hline Maximum Instantaneous Forward Voltage & T_C = 25 \ ^{\circ}C & - & - & - & - & - & - & - & - & - & $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $



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