

DAMPER DIODE

Absolute Maximum Ratings T_C=25°C unless otherwise noted

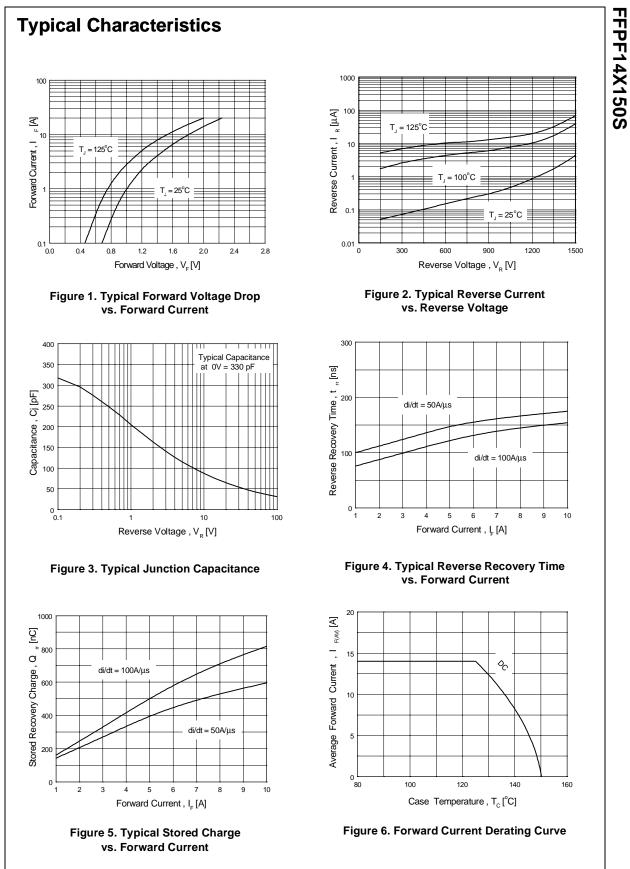
Symbol	Parameter	Value	Units
V _{RRM}	Peak Repetitive Reverse Voltage	1500	V
I _{F(AV)}	Average Rectified Forward Current $@T_{C} = 125^{\circ}C$	14	A
I _{FSM}	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	140	A
T _{J,} T _{STG}	Operating Junction and StorageTemperature	- 65 to +150	°C

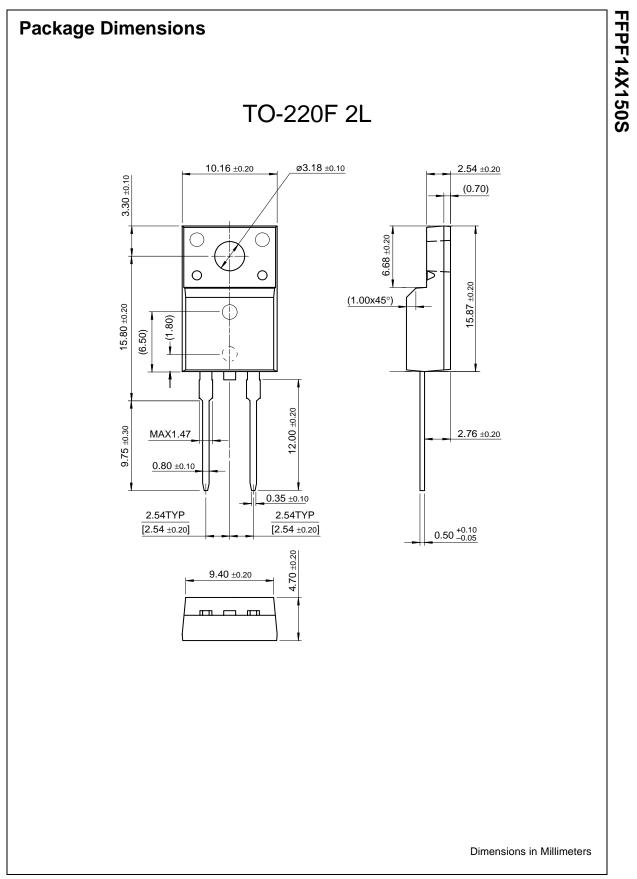
Thermal Characteristics

Symbol	Parameter	Value	Units
R _{θJC}	Maximum Thermal Resistance, Junction to Case	1.5	°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 = 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					μA
	@ rated V _R	T _C = 25 °C	-	-	20	
		T _C = 25 °C T _C = 125 °C	-	-	300	
t _{rr}	Maximum Reverse Recovery Time		-	-	120	ns
	$(I_F = 1A, di/dt = 50A/\mu s)$					
t _{fr}	Maximum Forward Recovery Time		-	-	290	ns
	(I _F =6.5A, di/dt = 50A/µs)					
V _{FRM}	Maximum Forward Recovery Voltage		-	-	13	V





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Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	This datasheet contains preliminary data, and supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
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Product status/pricing/packaging

Product	Product status	Pricing*	Package type	Leads	Packing method
FFPF14X150STU	Full Production	\$0.91	<u>TO-220F</u>	2	RAIL

* 1,000 piece Budgetary Pricing

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