

DAMPER DIODE

Absolute Maximum Ratings T_C=25°C unless otherwise noted

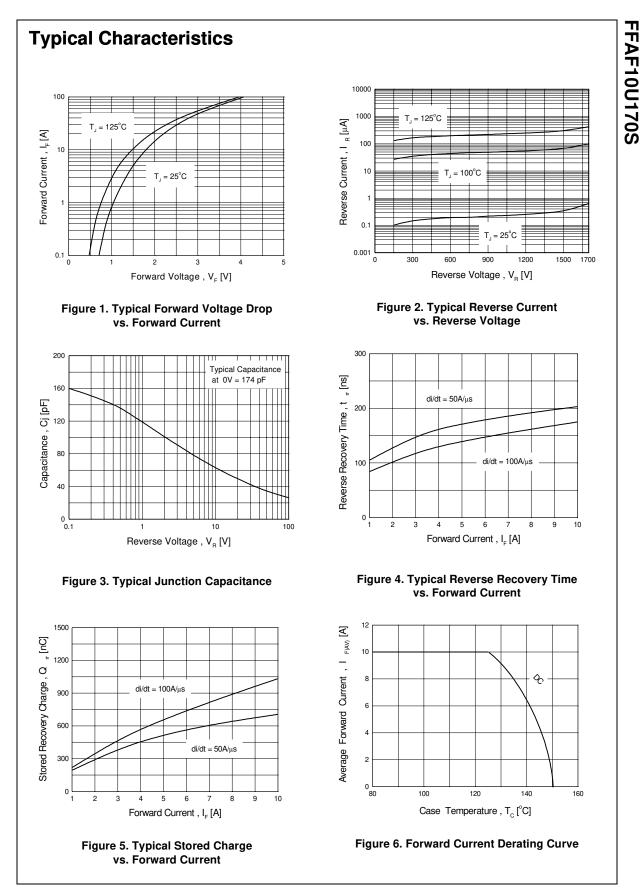
Symbol	Parameter	Value	Units
V _{RRM}	Peak Repetitive Reverse Voltage	1700	V
I _{F(AV)}	Average Rectified Forward Current @ T _C = 125°C	10	Α
I _{FSM}	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	100	A
T _{J,} T _{STG}	Operating Junction and Storage Temperature	- 65 to +150	°C

Thermal Characteristics

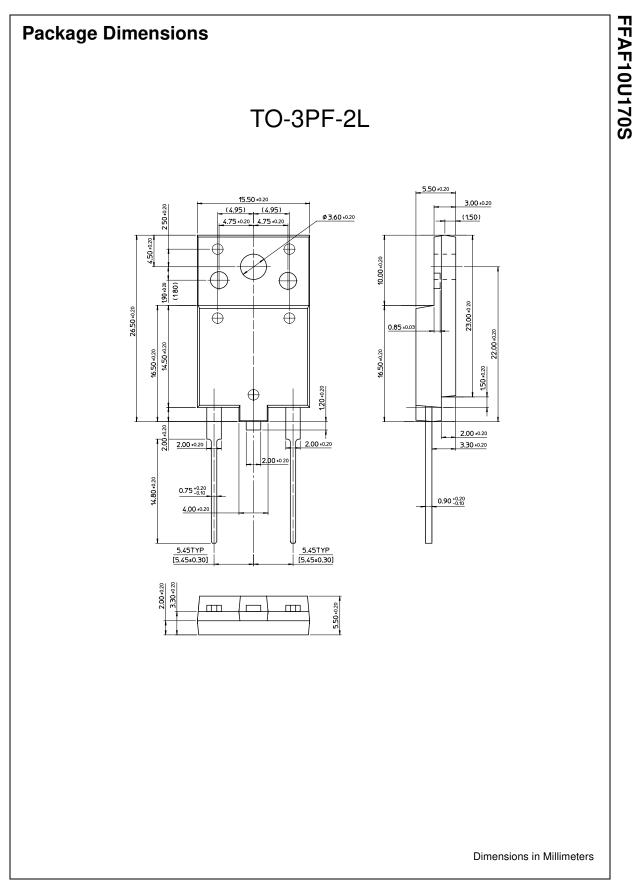
Symbol	Parameter	Value	Units
$R_{\theta JC}$	Maximum Thermal Resistance, Junction to Case	1.5	°C/W

Electrical Characteristics T_C=25 °C unless otherwise noted

Symbol	Parameter		Min.	Тур.	Max.	Units
V _{FM} *	Maximum Instantaneous Forward Voltage					V
	I _F = 10A	T _C = 25 °C T _C = 125 °C	-	-	2.2	
	I _F = 10A	T _C = 125 °C	-	-	2.0	
I _{RM} *	Maximum Instantaneous Reverse Current					mA
	@ rated V _R	T _C = 25 °C T _C = 125 °C	-	-	0.1	
		T _C = 125 °C	-	-	10	
t _{rr}	Maximum Reverse Recovery Time (I _F =1A, di/dt = 50A/µs)		-	-	140	ns
t _{fr}	Maximum Forward Recovery Time ($I_F = 6.5A$, di/dt = 50A/µs)		-	-	400	ns
V _{FRM}	Maximum Forward Recovery Voltage		-	-	13	V



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PRODUCT STATUS DEFINITIONS

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		

Pricing*

\$1.22

Package type

TO-3PF

Leads

2

Packing method

RAIL

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Product status

Full Production

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Product

* 1,000 piece Budgetary Pricing

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