查询FFPF06U40S供应商





ULTRA FAST RECOVERY RECTIFIER

Absolute Maximum Ratings Tc=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Peak Repetitive Reverse Voltage	400	V
I _{F(AV)}	Average Rectified Forward Current $@T_{C} = 100^{\circ}C$	6	Α
I _{FSM}	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	60	A
T _{J,} T _{STG}	Operating Junction and Storage Temperature	- 65 to +150	°C

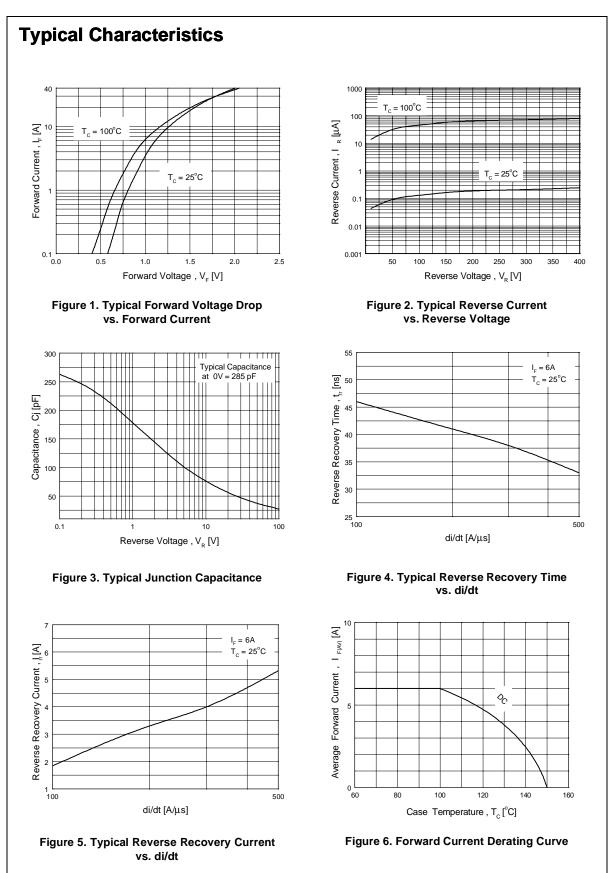
Thermal Characteristics

Symbol	Parameter	Value	Units
R _{0JC}	Maximum Thermal Resistance, Junction to Case	7.0	°C/W

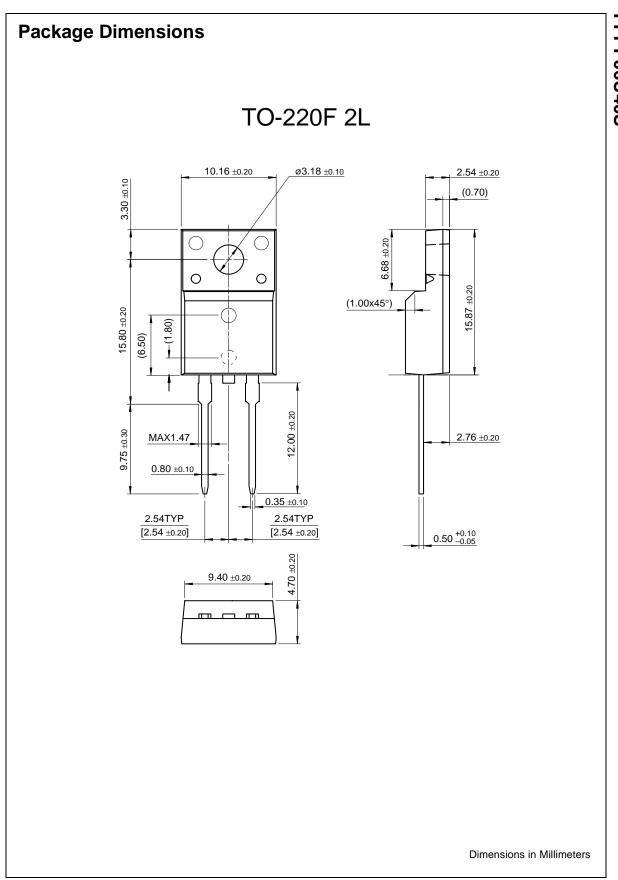
Electrical Characteristics Tc=25 °C unless otherwise noted

Symbol	Parameter		Min.	Тур.	Max.	Units V
V _{FM} *	Maximum Instantaneous Forward Voltage $I_F = 6A$	T 25 °C				
	$I_F = 6A$	T _C = 25 °C T _C = 100 °C	122.1		1.3	
I _{RM} *	Maximum Instantaneous Reverse Current	T 25.90			20	μΑ
	@ rated V _R	T _C = 25 °C T _C = 100 °C	-	-	20 200	
rr	Maximum Reverse Recovery Time		-	-	50	ns
rr	Maximum Reverse Recovery Current		-	-	4.0	А
Q _{rr}	Maximum Reverse Recovery Charge (I _F =6A, di/dt = 200A/μs)		-	-	100	nC
WAVL	Avalanche Energy		1.0	-	-	mJ

Pulse Test: Pulse Width=300µs, Duty Cycle=2%



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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
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