查询FFPF10U40S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 $@T_{C} = 100^{\circ}C$	10	A
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

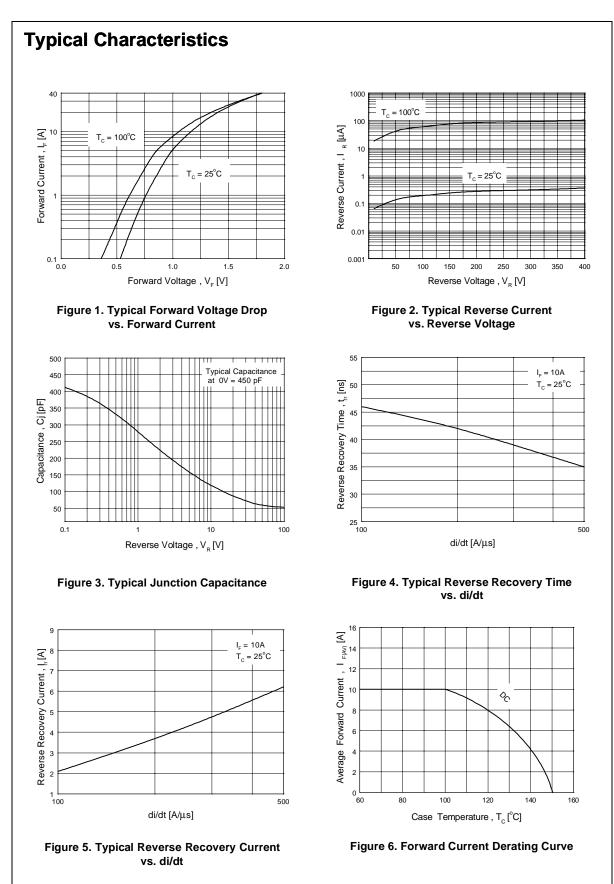
Thermal Characteristics

Symbol	Parameter	Value	Units
R _{0JC}	Maximum Thermal Resistance, Junction to Case	4.0	°C/W

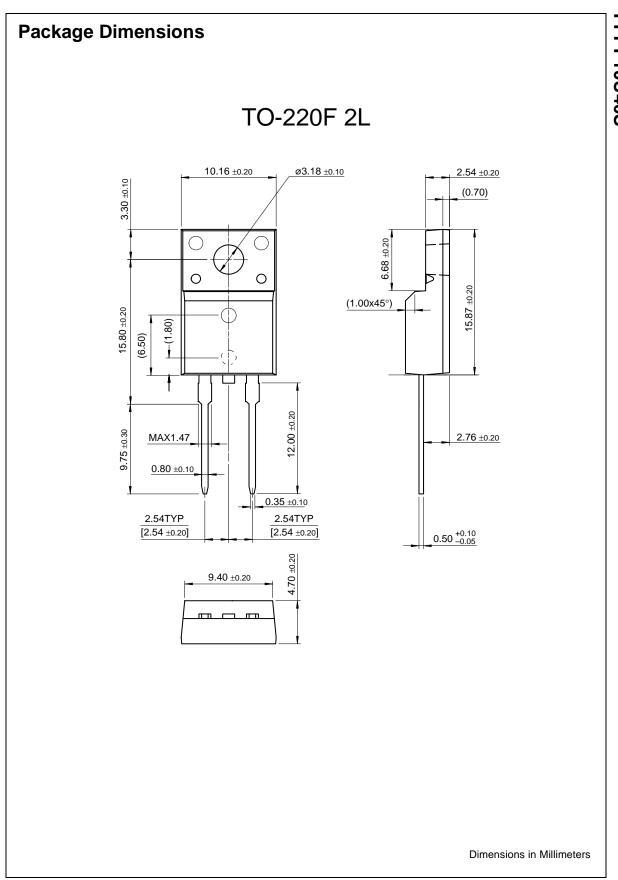
Electrical Characteristics Tc=25 °C unless otherwise noted

Symbol	Parameter		Min.	Тур.	Max. 1.4	Units V
/ _{FM} *	Maximum Instantaneous Forward Voltage I _F = 10A	T _C = 25 °C T _C = 100 °C				
	I _F = 10A	T _C = 100 °C		-	1.3	
I _{RM} *	Maximum Instantaneous Reverse Current					μΑ
	@ rated V _R	T _C = 25 °C	-	-	30	
	- COM	T _C = 25 °C T _C = 100 °C	-	-	300	
rr	Maximum Reverse Recovery Time		-	-	50	ns
rr	Maximum Reverse Recovery Current		-	-	4.5	A
Q _{rr}	Maximum Reverse Recovery Charge (I _F =10A, di/dt = 200A/μs)		-	-	113	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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