

ULTRA FAST RECOVERY POWER RECTIFIER

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Peak Repetitive Reverse Voltage	1200	V
I _{F(AV)}	Average Rectified Forward Current @ T _C = 100°C	10	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

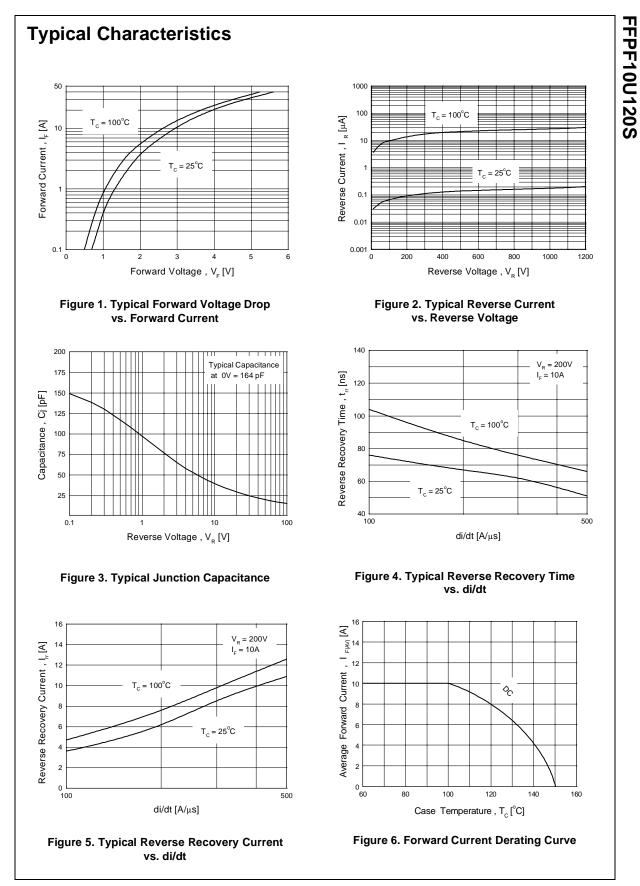
Thermal Characteristics

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

Electrical Characteristics Tc=25 °C unless otherwise noted

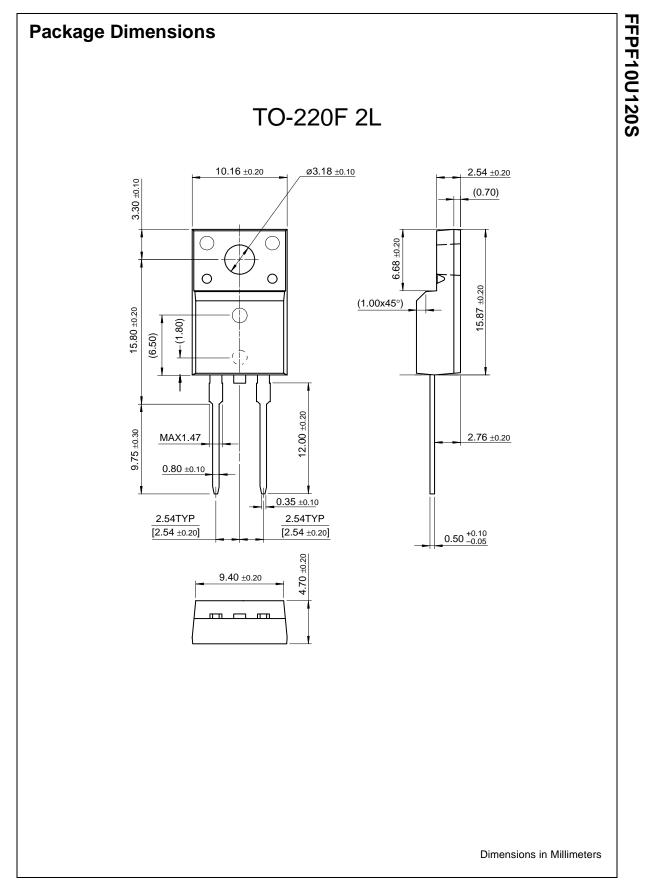
Symbol	Parameter		Min.	Тур.	Max.	Units
V _{FM} *	Maximum Instantaneous Forward Voltage					V
	I _F = 10A	T _C = 25 °C	-	-	3.5	
	I _F = 10A	T _C = 25 °C T _C = 100 °C	-	-	3.2	
I _{RM} *	Maximum Instantaneous Reverse Current					μΑ
	@ rated V _R	T _C = 25 °C T _C = 100 °C	-	-	10	
		T _C = 100 °C	-	-	800	
t _{rr}	Maximum Reverse Recovery Time		-	-	100	ns
I _{rr}	Maximum Reverse Recovery Current		-	-	8	А
Q _{rr}	Maximum Reverse Recovery Charge (I _F =10A, di/dt = 200A/µs)		-	-	360	nC
W _{AVL}	Avalanche Energy		1.0	-	-	mJ

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