

FFPF10U20DN

Features

- · Ultrafast with soft recovery
- Low forward voltage

Applications

- Power switching circuits



Power switcOutput rectifFreewheelin	iers		
	ode power supply	1. Anode 2.Cath	ode 3. Anode
	26 25		
Absolute	FAST RECOVERY POWER RECTIFIE Maximum Ratings (per diode) T _C =25°C unless otherwis	se noted	1 11:10
Absolute Symbol	Maximum Ratings (per diode) T _C =25°C unless otherwis	se noted Value	Units
Absolute	Maximum Ratings (per diode) T _C =25°C unless otherwis	se noted	Units V
Absolute Symbol	Maximum Ratings (per diode) T _C =25°C unless otherwis	se noted Value	
Absolute Symbol	Maximum Ratings (per diode) T _C =25°C unless otherwis Parameter Peak Repetitive Reverse Voltage	value 200	V

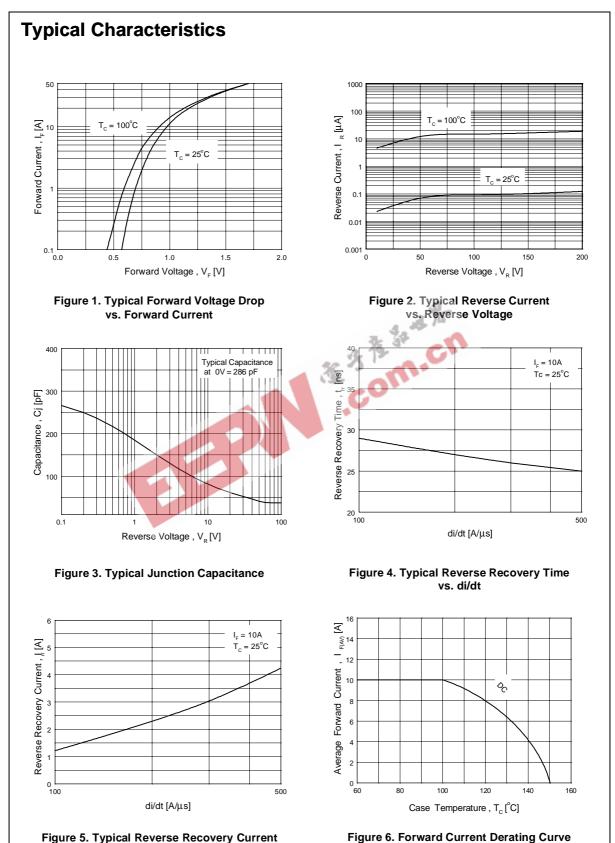
Thermal Characteristics

Symbol	Parameter	Value	Units	
$R_{\theta JC}$	Maximum Thermal Resistance, Junction to Case	5.0	°C/W	

Electrical Characteristics (per diode) 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	-	-	1.2	
	I _F = 10A	$T_C = 25 ^{\circ}C$ $T_C = 100 ^{\circ}C$	-	-	1.0	
I _{RM} *	Maximum Instantaneous Reverse Current					μΑ
	@ rated V _R	$T_C = 25 ^{\circ}C$ $T_C = 100 ^{\circ}C$	-	-	10	
		T _C = 100 °C	-	-	100	
t _{rr}	Maximum Reverse Recovery Time	•	-	-	35	ns
Irr	Maximum Reverse Recovery Current		-	-	2.5	Α
Q_{rr}	Maximum Reverse Recovery Charge (I _F =10A, di/dt = 200A/μs)		-	-	45	nC
W _{AVL}	Avalanche Energy		0.5	-	-	mJ

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

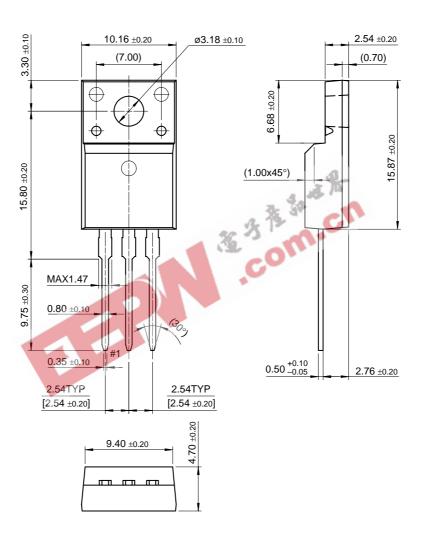


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vs. di/dt

Package Dimensions

TO-220F



Dimensions in Millimeters

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