

FFA15U20DN

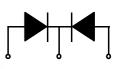
Features

- · Ultrafast with soft recovery
- Low forward voltage

Applications

- Power switching circuits





Power switc Output rectif Freewheelin	iers		
Switching m	ode power supply	1. Anode 2.Cath	ode 3. Anode
	FAST RECOVERY POWER RECTIFIE Maximum Ratings (per diode) T _C =25°C unless otherwi		
			Units
Absolute Symbol	Maximum Ratings (per diode) T _C =25°C unless otherwi	se noted	Units V
Absolute	Maximum Ratings (per diode) T _C =25°C unless otherwi	se noted Value	
Absolute Symbol	Maximum Ratings (per diode) T _C =25°C unless otherwing Parameter Peak Repetitive Reverse Voltage	se noted Value 200	V

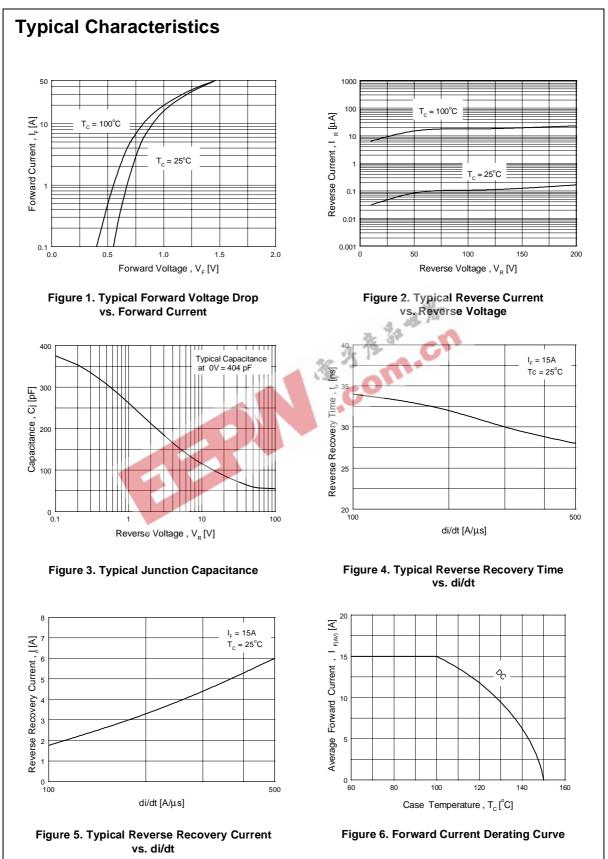
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{\theta,JC}$	Maximum Thermal Resistance, Junction to Case	3.1	°C/W

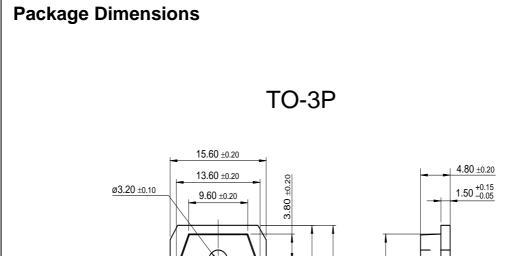
Electrical Characteristics (per diode) T_C=25 °C unless otherwise noted

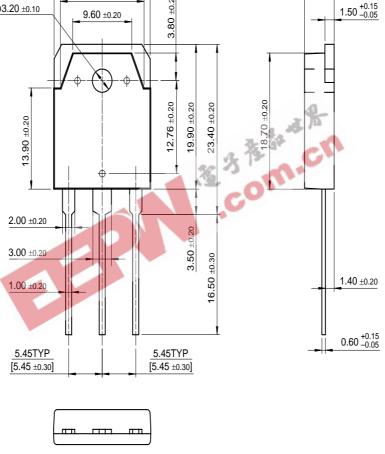
Symbol	Parameter		Min.	Тур.	Max.	Units
V _{FM} *	Maximum Instantaneous Forward Voltage					V
	I _F = 15A	T _C = 25 °C	-	-	1.2	
	I _F = 15A	$T_C = 25 ^{\circ}C$ $T_C = 100 ^{\circ}C$	-	-	1.0	
I _{RM} *	Maximum Instantaneous Reverse Current					μΑ
	@ rated V _R	$T_C = 25 ^{\circ}C$	-	-	15	
		$T_C = 25 ^{\circ}C$ $T_C = 100 ^{\circ}C$	-	-	150	
t _{rr}	Maximum Reverse Recovery Time	•	-	-	40	ns
I _{rr}	Maximum Reverse Recovery Current		-	-	3.5	Α
Q _{rr}	Maximum Reverse Recovery Charge (I _F =15A, di/dt = 200A/μs)		-	-	70	nC
W _{AVL}	Avalanche Energy		0.5	-	-	mJ

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



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Dimensions in Millimeters

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