

Thermal Characteristics

Symbol	Parameter	Мах	Units
R_{\thetaJC}	Maximum Thermal Resistance, Junction to Case	2.0	°C/W

Package Marking and Ordering Information

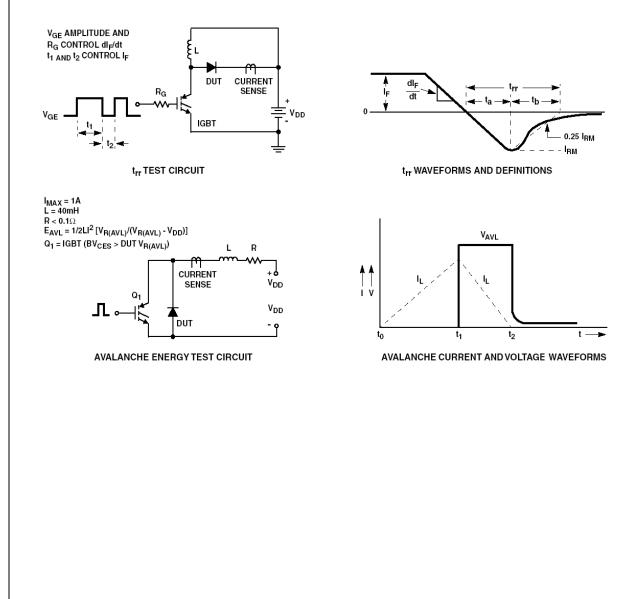
Device Marking	Device	Package	Reel Size	Tape Width	Quantity
F20UP20S	FFB20UP20STM	D2-PAK	13" Dia	-	800

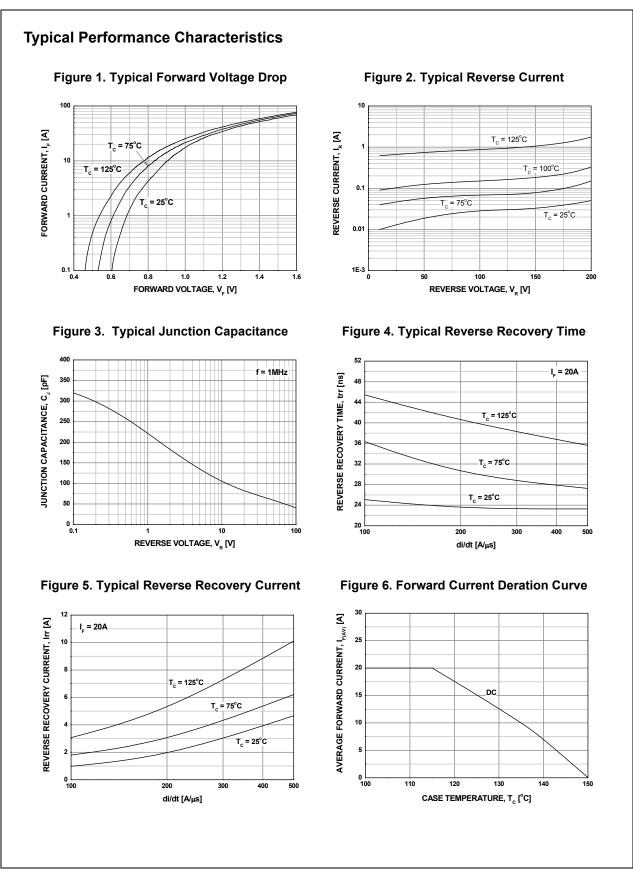
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Symbol	Parameter		Min.	Тур.	Max.	Units
V _{FM} *	I _F = 20A I _F = 20A	T _C = 25 °C T _C = 100 °C	-	-	1.15 1.0	V V
I _{RM} *	V _R = 200V V _R = 200V	T _C = 25 °C T _C = 100 °C	-	-	100 500	μΑ μΑ
t _{rr}	I_F =1A, di/dt = 100A/µs, V _{CC} = 30V I_F =20A, di/dt = 200A/µs, V _{CC} = 130V	T _C = 25 °C T _C = 25 °C	-	- -	35 45	ns ns
t _a t _b Q _{rr}	I _F =20A, di/dt = 200A/μs, V _{CC} = 130V	T _C = 25 °C T _C = 25 °C T _C = 25 °C T _C = 25 °C	- - -	11 13 21	- - -	ns ns nC
W _{AVL}	Avalanche Energy (L = 40mH)		20	-	-	mJ

* Pulse Test: Pulse Width=300 $\mu s,$ Duty Cycle=2%

Test Circuit and Waveforms

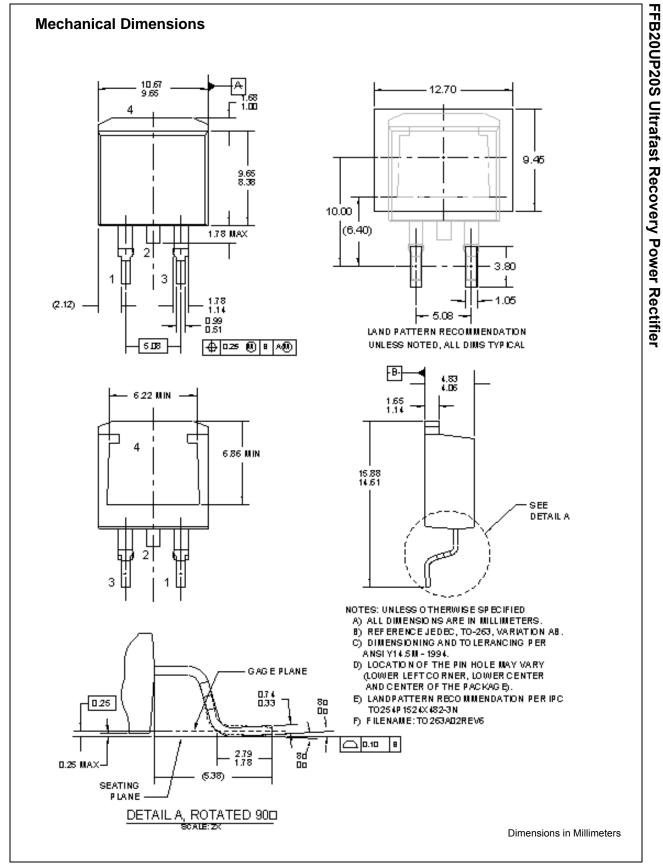




FFB20UP20S Rev. A2

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FFB20UP20S Ultrafast Recovery Power Rectifier



FFB20UP20S Rev. A2



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FPS™			XS™

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