

Is Now Part of

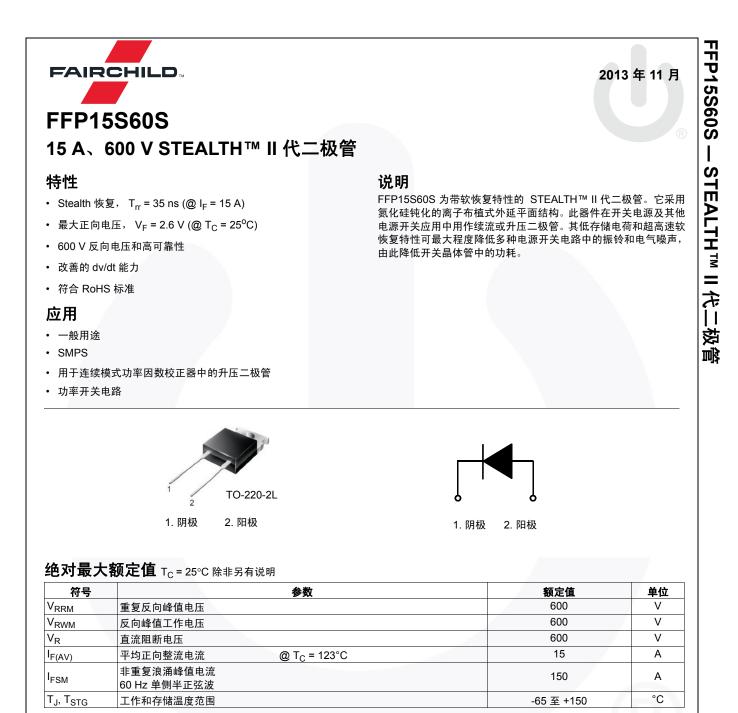


ON Semiconductor®

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Please note: As part of the Fairchild Semiconductor integration, some of the Fairchild orderable part numbers will need to change in order to meet ON Semiconductor's system requirements. Since the ON Semiconductor product management systems do not have the ability to manage part nomenclature that utilizes an underscore (_), the underscore (_) in the Fairchild part numbers will be changed to a dash (-). This document may contain device numbers with an underscore (_). Please check the ON Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.onsemi.com. Please email any questions regarding the system integration to Fairchild_questions@onsemi.com.

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热性能

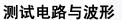
符号	参数	最大值	单位
$R_{\theta JC}$	结点 - 壳体的最大热阻	1.3	°C/W

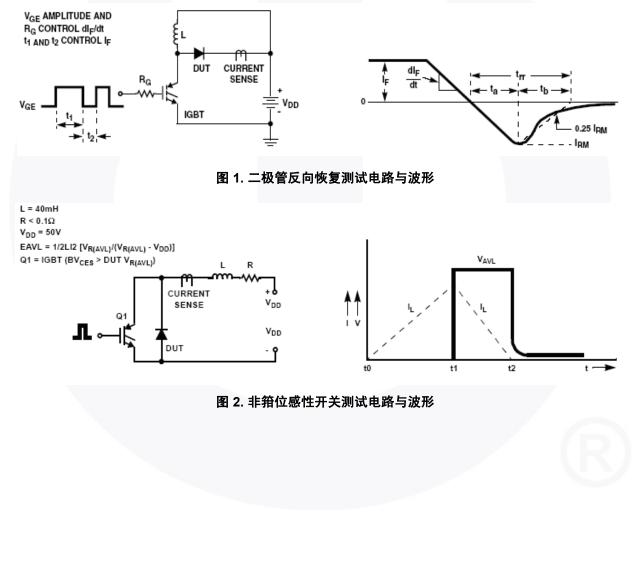
封装标识与定购信息

器件编号	正面标记	封装	包装方法	卷尺寸	带宽	数量
FFP15S60STU	FFP15S60S	TO-220-2L	塑料管	不适用	不适用	50

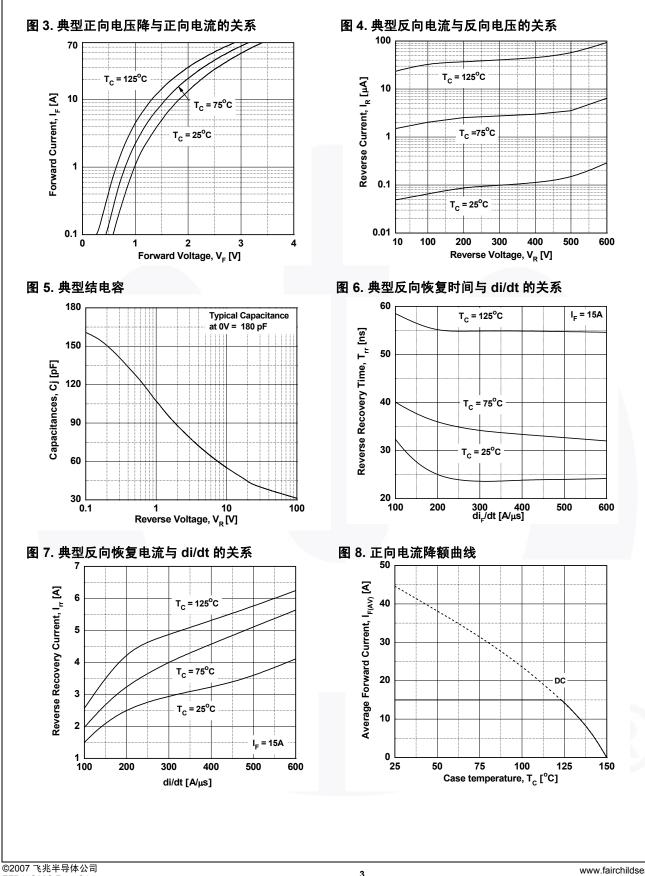
符号	参数	最小值	典型值	最大值	单位	
V _F 1	I _F = 15 A I _F = 15 A	T _C = 25°C T _C = 125°C	-	2.1 1.6	2.6	V
I _R 1	V _R = 600 V V _R = 600 V	T _C = 25°C T _C = 125°C	-	-	100 500	μA
t _{rr}	I _F = 1A, di _F /dt = 100 A/μs, V _R = 30 V	T _C = 25°C	-	21	30	ns
t _{rr} I _{rr} 软度因子 S Q _{rr}	I _F = 15 A, di _F /dt = 200 A/µs, V _R = 390 V	T _C = 25°C		23 2.5 0.7 29	35 - - -	ns A nC
t _{rr} I _{rr} 软度因子 S Q _{rr}	I _F = 15 A, di _F /dt = 200 A/μs, V _R = 390 V	T _C = 125°C		55 4.3 1.1 118	- - - -	ns A nC
W _{AVL}	雪崩能量 (L = 40 mH)	20	-	-	mJ	

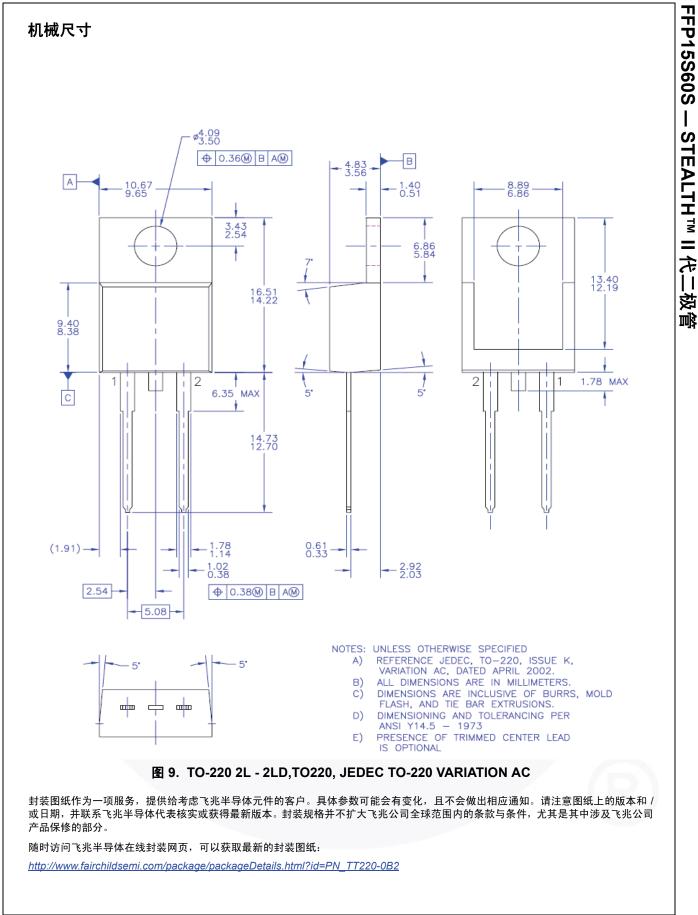
注意: 1: 脉冲: 测试脉宽 = 300 µs, 占空比 = 2%

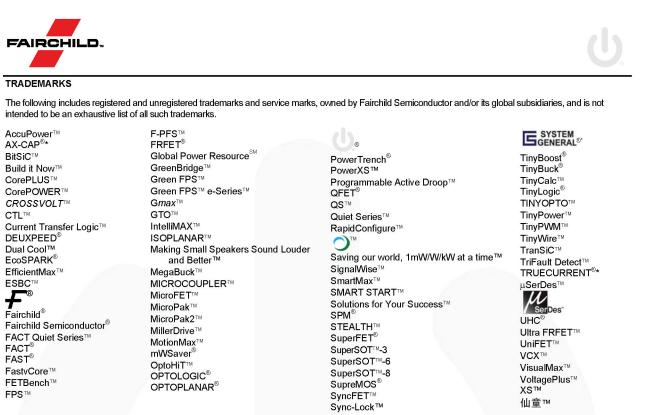




典型性能特征







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Obsolete	Not In Production	Datasheet contains specifications on a product that is discontinued by Fairchild Semiconductor. The datasheet is for reference information only.	
		Rev. 168	

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