

用途：用于电子荧光灯和低功率快速转换。

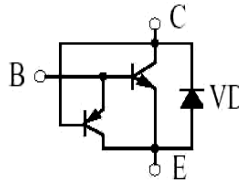
Purpose: Electronic ballasts for fluorescent lighting, flyback and forward single transistor low power converters.

特点：耐压高、稳定性好、N 沟道晶体管，一致性好、可靠性高，开关速度快。

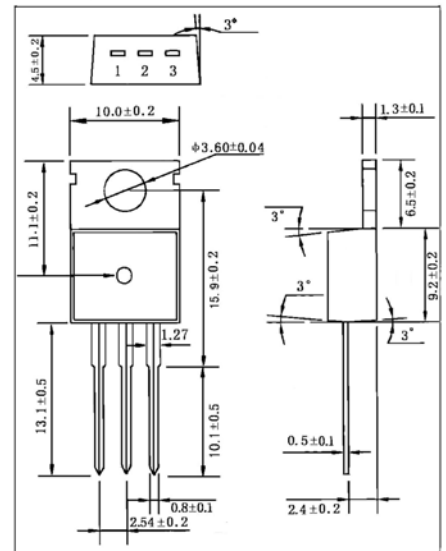
Features: NPN transistor, high voltage capability, low spread of dynamic parameters, minimum lot-to-lot spread for Reliable operation, very high switching speed.

极限参数/Absolute maximum ratings(Ta=25°C)

参数符号 Symbol	数值 Rating	单位 Unit
V _{CBO}	700	V
V _{CEO}	400	V
V _{EBO}	9.0	V
I _C	4.0	A
P _C	2.0	W
P _C (T _c =25°C)	75	W
T _j	150	°C
T _{stg}	-55~150	°C



T0-220 单位: mm

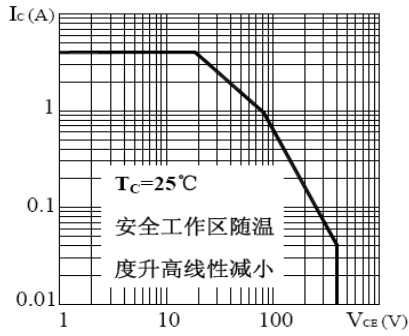


引脚: 1 B 2 C 3 E

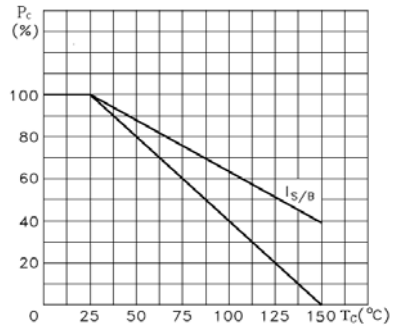
电性能参数/Electrical characteristics(Ta=25°C)

参数符号 Symbol	测试条件 Test condition		数值 Rating			单位 Unit
			最小值 Min	典型值 Typ	最大值 Max	
V _{CBO}	I _C =1mA	I _E =0	700			V
V _{CEO}	I _C =10mA	I _B =0	400			V
V _{EBO}	I _E =1mA	I _C =0	9.0			V
I _{CBO}	V _{CB} =700V	I _E =0			0.1	mA
I _{CEO}	V _{CE} =400V	I _B =0			0.1	mA
I _{EBO}	V _{EB} =9.0V	I _C =0			0.1	mA
h _{FE}	V _{CE} =5.0V	I _C =1.0A	10		40	
V _{CE(sat)}	I _C =2.0A	I _B =0.5A			0.8	V
V _{BE(sat)}	I _C =2.0A	I _B =0.5A			1.2	V
f _T	V _{CE} =10V I _C =0.5A	f=1.0MHz	7.0			MHz
t _f	V _{CE} =5V	I _C =0.5A			0.8	μs
t _s	(UI9600)				4.0	μs

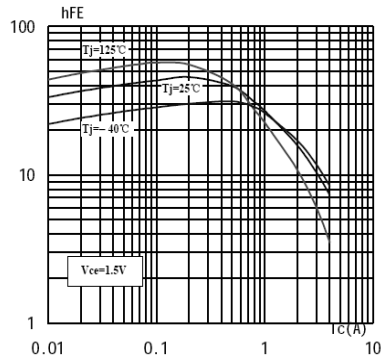
SOA (DC)



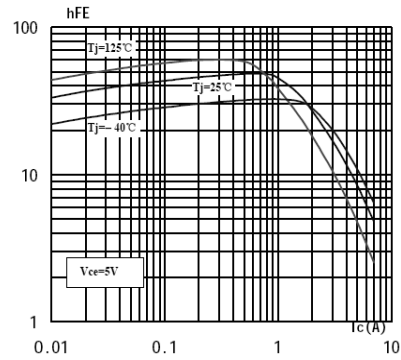
P_c-T_c



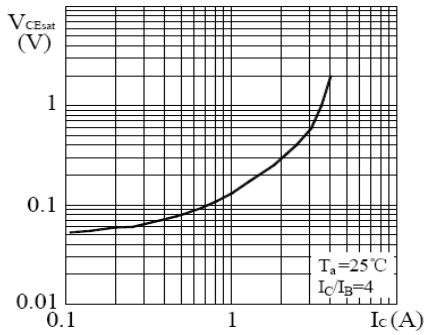
$h_{FE}-I_c$



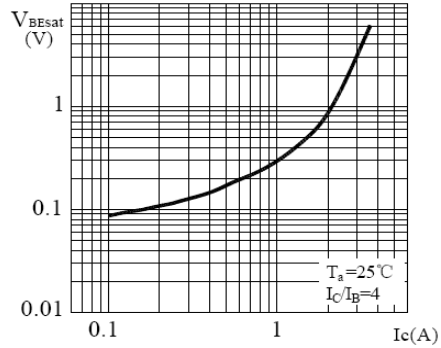
$h_{FE}-I_c$



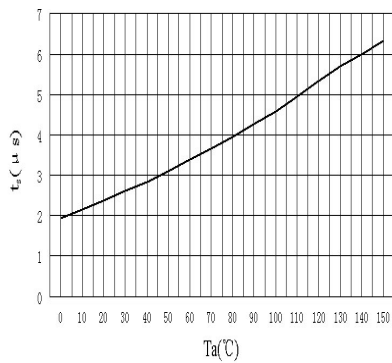
$V_{CEsat}-I_c$



$V_{BEsat}-I_c$



t_s-T_a



$h_{FE}-T_a$

