

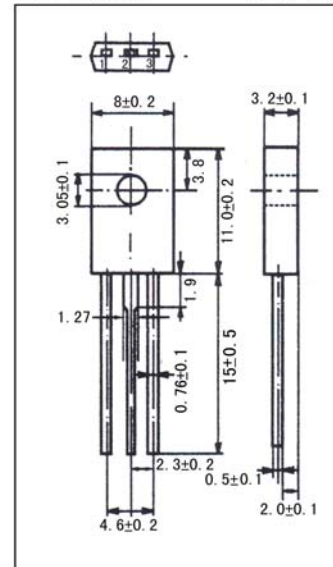
用途：主要用于节能灯、日光灯电子镇流器及其它开关、振荡电路。

Purpose: High frequency electronic lighting ballast applications, converters, inverters, switching regulators, etc.

极限参数/Absolute maximum ratings($T_a=25^\circ\text{C}$)

参数符号 Symbol	数值 Rating	单位 Unit
V_{CBO}	600	V
V_{CEO}	400	V
V_{EBO}	9.0	V
I_{C}	1.5	A
$P_{\text{C}}(T_a=25^\circ\text{C})$	1.25	W
$P_{\text{C}}(T_c=25^\circ\text{C})$	40	W
T_{j}	150	$^\circ\text{C}$
T_{stg}	-55~150	$^\circ\text{C}$

T0-126F反 单位: mm

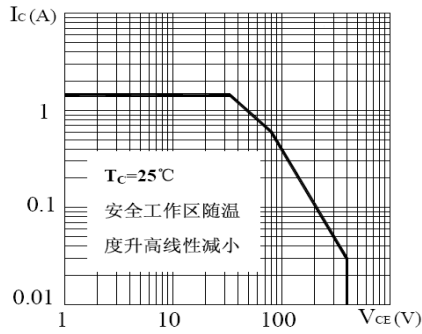


引脚： 1. B 2. C 3. E

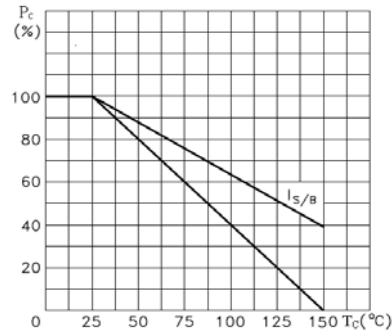
电性能参数/Electrical characteristics($T_a=25^\circ\text{C}$)

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}	$I_{\text{C}}=1\text{mA}$ $I_{\text{E}}=0$	600			V
V_{CEO}	$I_{\text{C}}=10\text{mA}$ $I_{\text{B}}=0$	400			V
V_{EBO}	$I_{\text{E}}=1\text{mA}$ $I_{\text{C}}=0$	9.0			V
I_{CBO}	$V_{\text{CB}}=600\text{V}$ $I_{\text{E}}=0$			0.1	mA
I_{CEO}	$V_{\text{CE}}=400\text{V}$ $I_{\text{B}}=0$			0.1	mA
I_{EBO}	$V_{\text{EB}}=9.0\text{V}$ $I_{\text{C}}=0$			0.1	mA
h_{FE}	$V_{\text{CE}}=5.0\text{V}$ $I_{\text{C}}=200\text{mA}$	10		40	
$V_{\text{CE(sat)}}$	$I_{\text{C}}=500\text{mA}$ $I_{\text{B}}=100\text{mA}$			0.8	V
$V_{\text{BE(sat)}}$	$I_{\text{C}}=500\text{mA}$ $I_{\text{B}}=100\text{mA}$			1.2	V
f_{T}	$V_{\text{CE}}=10\text{V}$ $I_{\text{C}}=100\text{mA}$ $f=1.0\text{MHz}$	5.0			MHz
t_{f}	$V_{\text{CE}}=5\text{V}$ $I_{\text{C}}=250\text{mA}$			0.6	μs
t_{S}	(UI9600)			3.5	μs

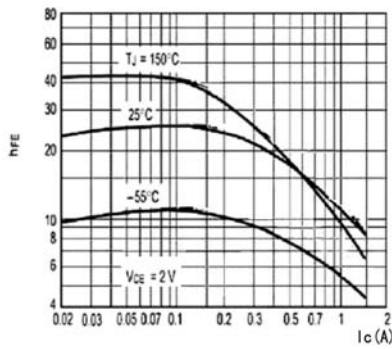
SOA (DC)



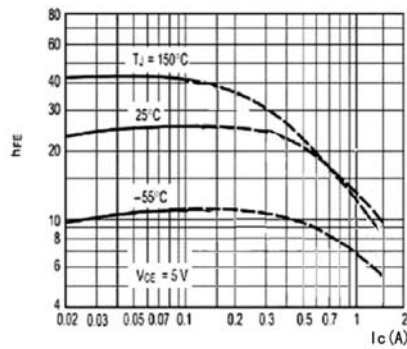
$P_C - T_C$



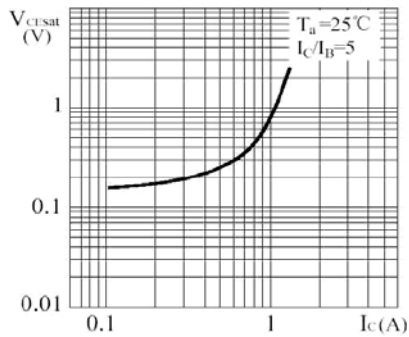
$h_{FE} - I_C$



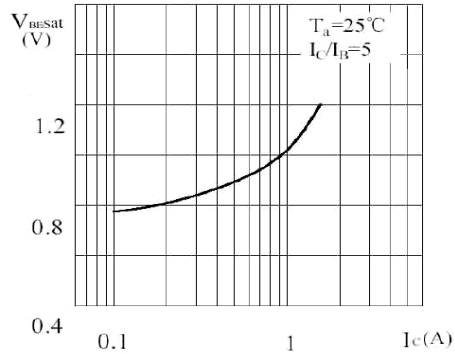
$h_{FE} - I_C$



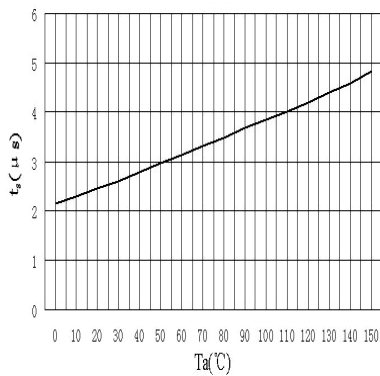
$V_{ces} - I_C$



$V_{bes} - I_C$



$t_s - T_a$



$h_{FE} - T_a$

