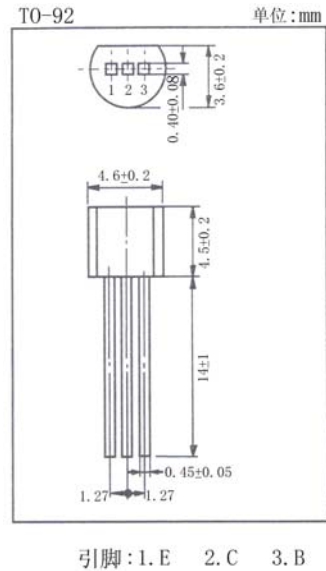


用途：主要用于节能灯、日光灯电子镇流器及其它开关、振荡电路。/Purpose: High frequency electronic lighting ballast applications, converters, inverters, switching regulators, etc.

特点：高压性能好，低动态参数变化，开关速度快。/Features: High voltage capability, low spread of dynamic parameters, very high switching speed.

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_{CES}	700	V
V_{CEO}	400	V
V_{EBO}	9.0	V
I_C	1.0	A
I_{CM}	2.0	A
I_B	0.5	A
I_{BM}	1.0	A
$P_C(T_a=25^\circ\text{C})$	1.0	W
T_j	150	$^\circ\text{C}$
T_{stg}	-55~150	$^\circ\text{C}$



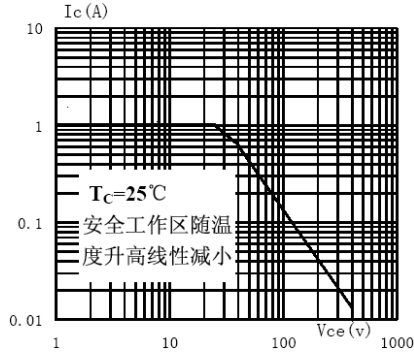
电性能参数/Electrical characteristics($T_a=25^\circ\text{C}$)

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_{CES}	$I_C=1\text{mA}$	$V_{BE}=0$	700			V
V_{CEO}	$I_C=10\text{mA}$	$I_B=0$	400			V
V_{EBO}	$I_E=1\text{mA}$	$I_C=0$	9			V
I_{CEV}	$V_{CE}=700\text{V}$	$V_{BE}=-1.5\text{V}$			0.1	mA
I_{CEO}	$V_{CE}=400\text{V}$	$I_B=0$			0.1	mA
I_{EBO}	$V_{EB}=9.0\text{V}$	$I_C=0$			0.1	mA
$*h_{FE(1)}$	$V_{CE}=5.0\text{V}$	$I_C=0.4\text{A}$	10		30	
$*h_{FE(2)}$	$V_{CE}=5.0\text{V}$	$I_C=0.8\text{A}$	5		20	
$*V_{CE(sat)1}$	$I_C=0.25\text{A}$	$I_B=0.05\text{A}$		0.2	0.5	V
$*V_{CE(sat)2}$	$I_C=0.5\text{A}$	$I_B=0.125\text{A}$		0.3	1.0	V
$*V_{CE(sat)3}$	$I_C=0.75\text{A}$	$I_B=0.25\text{A}$		0.4	1.5	V
$*V_{BE(sat)1}$	$I_C=0.25\text{A}$	$I_B=0.05\text{A}$			1.0	V
$*V_{BE(sat)2}$	$I_C=0.5\text{A}$	$I_B=0.125\text{A}$			1.2	V
t_f	$V_{CE}=5\text{V}$	$I_C=0.25\text{A}$			0.6	μS
t_s	(UI9600)				3.0	μS
f_T	$V_{CE}=10\text{V}$	$I_C=50\text{mA}$	$f=1\text{MHz}$	5		MHz

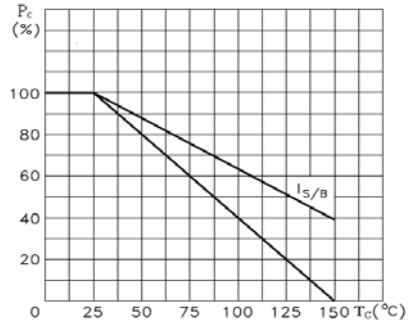
*脉冲测试：脉冲周期=300 μS ，占空比=1.5%。

*pulse test: pulse width=300 μS , duty cycle=1.5%.

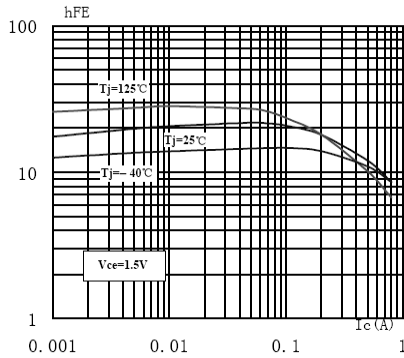
SOA (DC)



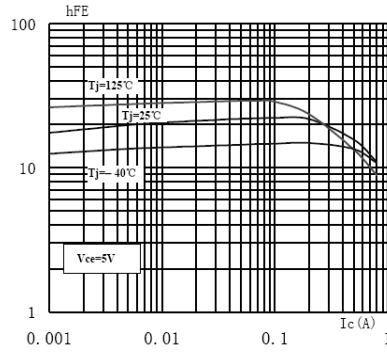
Pc-Tc



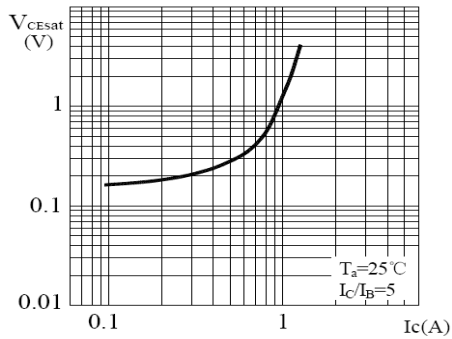
hFE-Ic



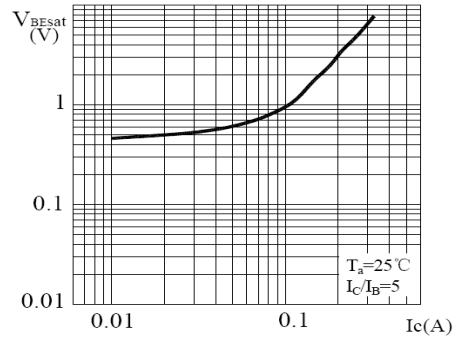
hFE-Ic



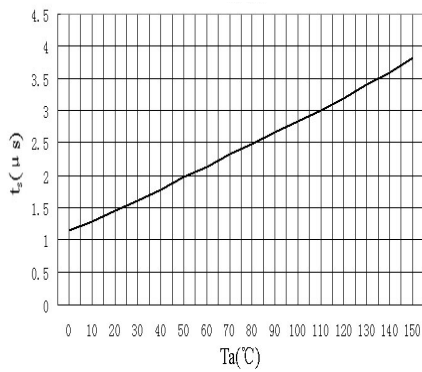
Vces-Ic



Vbes-Ic



ts-Ta



hFE-Ta

