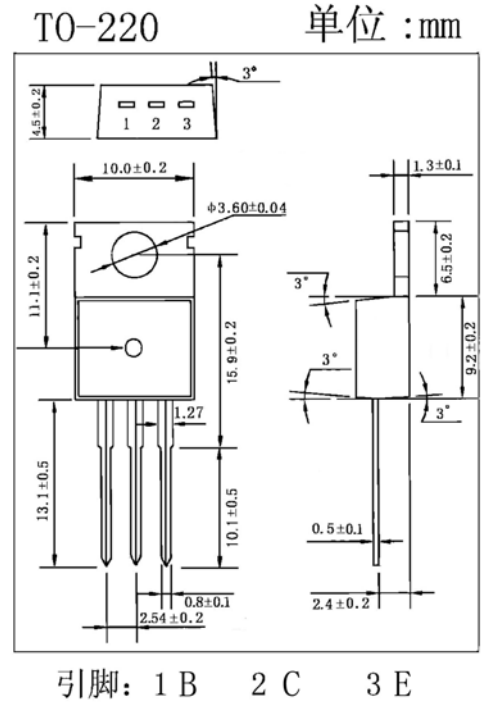


用途：主要用于节能灯、日光灯电子镇流器及其它开关、振荡电路。

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

极限参数/Absolute maximum ratings(Ta=25°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
$P_C(T_a=25^\circ\text{C})$	2.0	W
$P_C(T_c=25^\circ\text{C})$	50	W
T_j	150	°C
T_{stg}	-55~150	°C

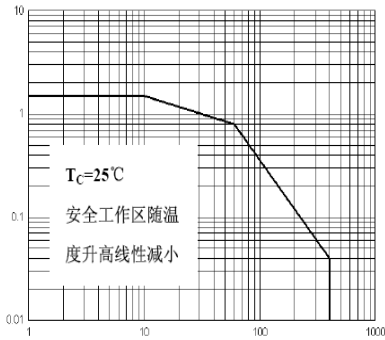


电性能参数/Electrical characteristics(Ta=25°C)

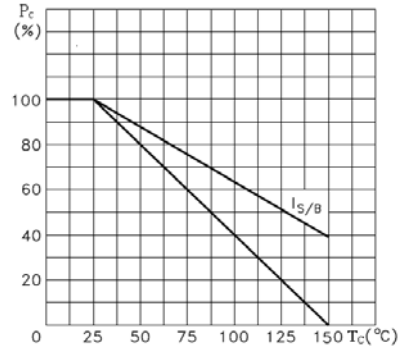
参数符号 Symbol	测试条件 Test condition		数值 Rating			单位 Unit
			最小值 Min	典型值 Typ	最大值 Max	
V_{CBO}	$I_C=1\text{mA}$	$I_E=0$	600			V
V_{CEO}	$I_C=10\text{mA}$	$I_B=0$	400			V
V_{EBO}	$I_E=1\text{mA}$	$I_C=0$	9.0			V
I_{CBO}	$V_{CB}=600\text{V}$	$I_E=0$			0.1	mA
I_{CEO}	$V_{CE}=400\text{V}$	$I_B=0$			0.1	mA
I_{EBO}	$V_{EB}=9.0\text{V}$	$I_C=0$			0.1	mA
h_{FE}	$V_{CE}=5.0\text{V}$	$I_C=0.2\text{A}$	10		40	
$V_{CE(sat)}$	$I_C=1.0\text{A}$	$I_B=0.25\text{A}$			0.9	V
$V_{BE(sat)}$	$I_C=1.0\text{A}$	$I_B=0.5\text{A}$			1.2	V
f_T	$V_{CE}=10\text{V}$	$I_C=0.1\text{A}$	$f=1.0\text{MHz}$	5.0		MHz
t_f	$V_{CE}=5\text{V}$	$I_C=250\text{mA}$			0.8	μs
t_s	(UI9600)				4.0	μs

MJE13003K7 (3DD13003K7)

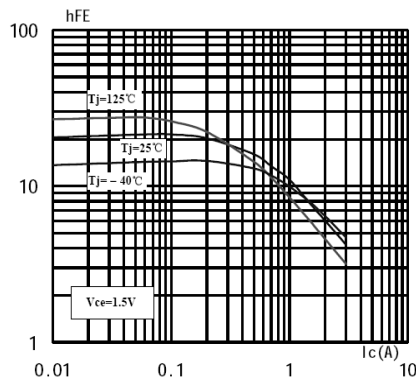
SOA (DC)



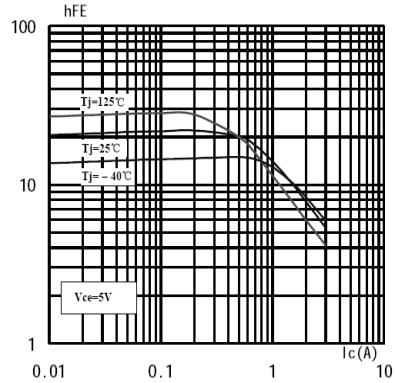
P_c-T_c



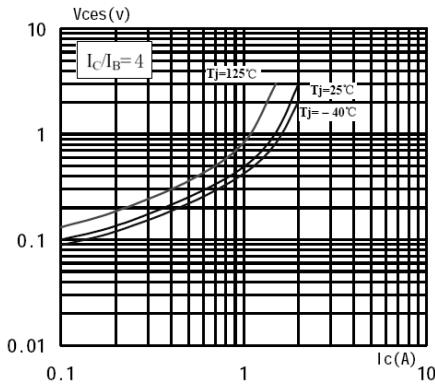
$h_{FE}-I_c$



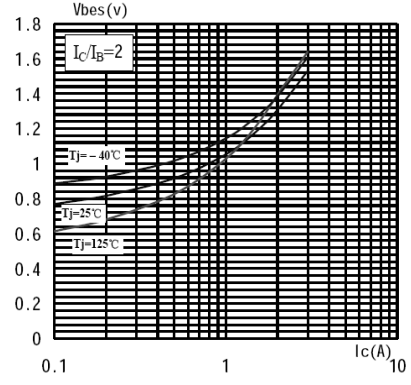
$h_{FE}-I_c$



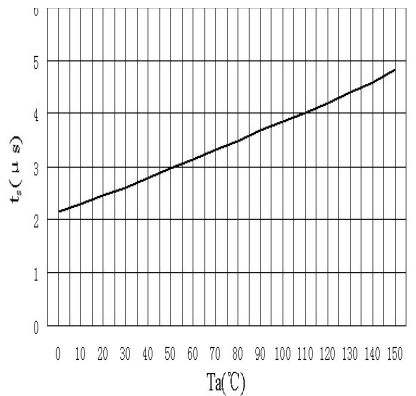
$V_{ces}-I_c$



$V_{bes}-I_c$



t_s-T_a



$h_{FE}-T_a$

