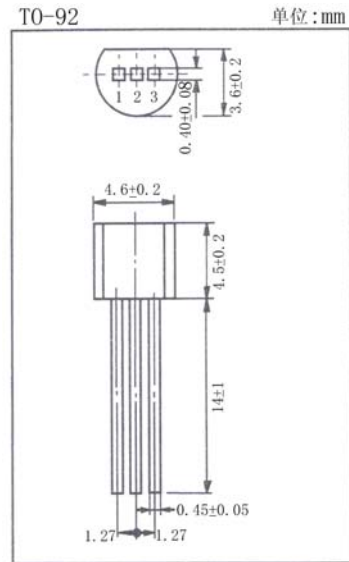


用途:主要用于节能灯、日光灯电子镇流器及其它开关、振荡电路。

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

极限参数/Absolute maximum ratings(Ta=25℃)

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	0.75	A
$P_C(T_a=25^\circ\text{C})$	1.0	W
T_j	150	℃
T_{stg}	-55~150	℃



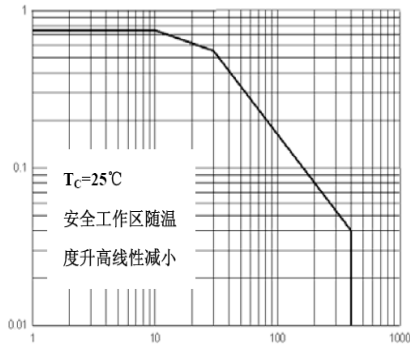
引脚: 1.E 2.C 3.B

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

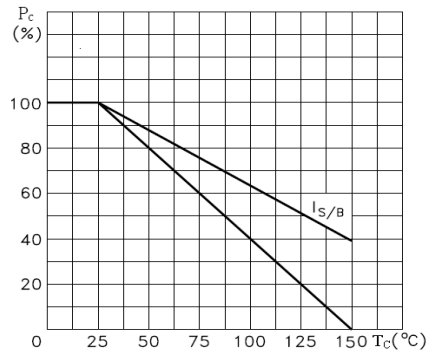
参数符号 Symbol	测试条件 Test condition	数值 Rating			单位 Unit
		最小值 Min	典型值 Typ	最大值 Max	
V_{CBO}	$I_C=1\text{mA}$ $I_E=0$	600			V
V_{CEO}	$I_C=10\text{mA}$ $I_B=0$	400			V
V_{EBO}	$I_E=1\text{mA}$ $I_C=0$	9.0			V
I_{CBO}	$V_{CB}=600\text{V}$ $I_E=0$			0.1	mA
I_{CEO}	$V_{CE}=400\text{V}$ $I_B=0$			0.1	mA
I_{EBO}	$V_{EB}=9.0\text{V}$ $I_C=0$			0.1	mA
h_{FE}	$V_{CE}=5.0\text{V}$ $I_C=200\text{mA}$	10		40	
$V_{CE(sat)}$	$I_C=300\text{mA}$ $I_B=60\text{mA}$			0.5	V
$V_{BE(sat)}$	$I_C=300\text{mA}$ $I_B=60\text{mA}$			1.2	V
f_T	$V_{CE}=10\text{V}$ $I_C=100\text{mA}$ $f=1.0\text{MHz}$	5.0			MHz
t_f	$V_{CE}=5\text{V}$ $I_C=100\text{mA}$			0.6	μs
t_s	(UI9600)			3.5	μs

MJE13003G1 (3DD13003G1)

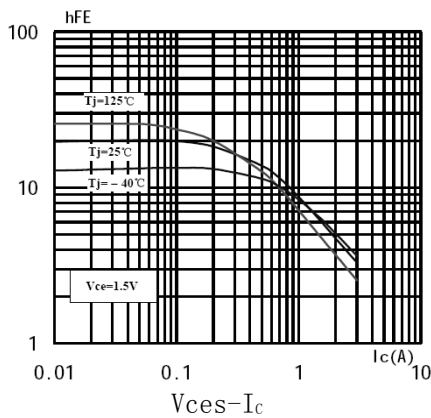
SOA (DC)



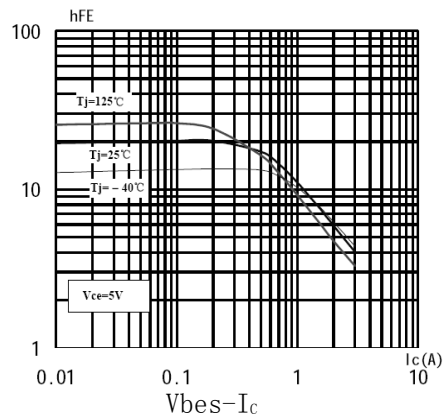
P_c-T_c



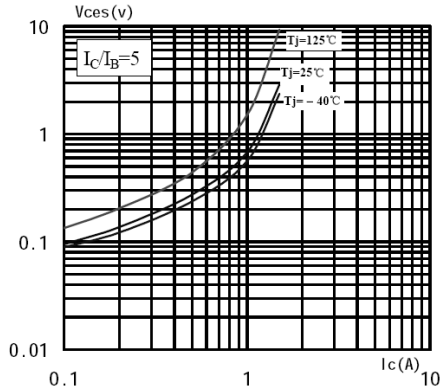
h_{FE}-I_c



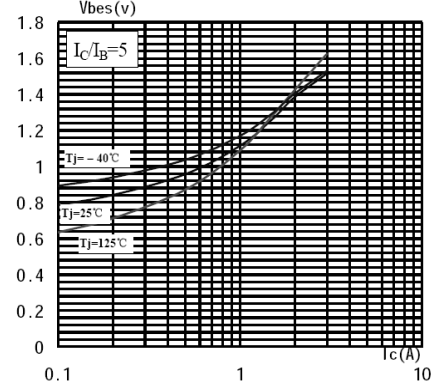
h_{FE}-I_c



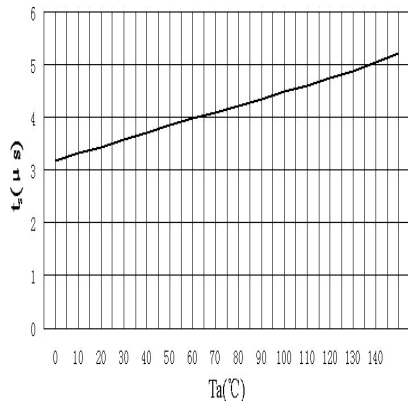
V_{ces}-I_c



V_{bes}-I_c



t_s-T_a



h_{FE}-T_a

