

## BUL 系列晶体管/ BUL SERIES TRANSISTORS

## BUL6822

●特点： 耐压高 开关速度快 安全工作区宽 符合 RoHS 规范

●FEATURES: ■HIGH VOLTAGE CAPABILITY ■HIGH SPEED SWITCHING ■WIDE SOA ■RoHS COMPLIANT

●应用： 节能灯 电子镇流器

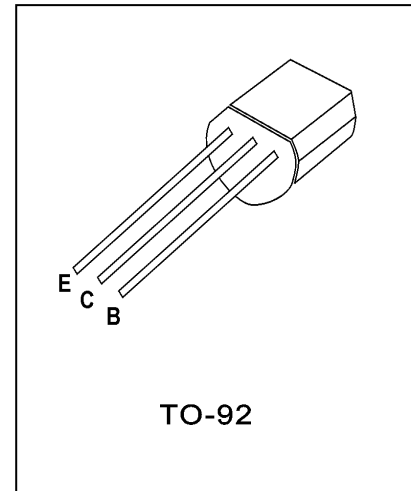
●APPLICATION: ■FLUORESCENT LAMP ■ELECTRONIC BALLAST

●最大额定值 (Tc=25°C)

●Absolute Maximum Ratings (Tc=25°C)

TO-92

参数 PARAMETER	符号 SYMBOL	额定值 VALUE	单位 UNIT
集电极-基极电压 Collector-Base Voltage	$V_{CBO}$	600	V
集电极-发射极电压 Collector-Emitter Voltage	$V_{CEO}$	400	V
发射极-基极电压 Emitter-Base Voltage	$V_{EBO}$	9	V
集电极电流 Collector Current	$I_C$	0.8	A
集电极耗散功率 Total Power Dissipation	$P_C$	10	W
最高工作温度 Junction Temperature	$T_j$	150	°C
贮存温度 Storage Temperature	$T_{stg}$	-65-150	°C



●电特性 (Tc=25°C)

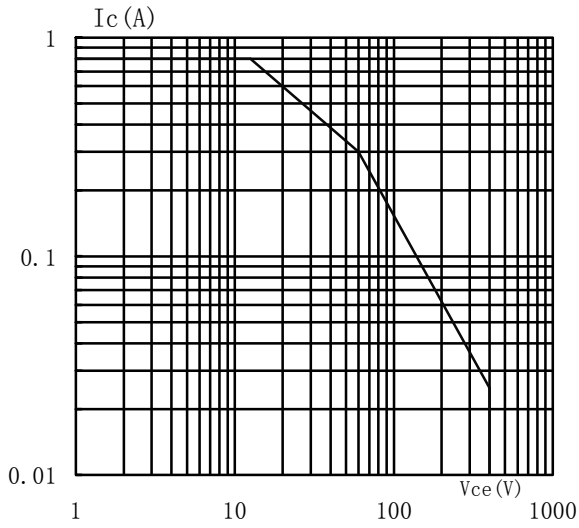
●Electronic Characteristics (Tc=25°C)

参数名称 CHARACTERISTICS	符号 SYMBOL	测试条件 TEST CONDITION	最小值 MIN	最大值 MAX	单位 UNIT
集电极-基极截止电流 Collector-Base Cutoff Current	$I_{CBO}$	$V_{CB}=600V$		100	$\mu A$
集电极-发射极截止电流 Collector-Emitter Cutoff Current	$I_{CEO}$	$V_{CE}=400V, I_B=0$		250	$\mu A$
集电极-发射极电压 Collector-Emitter Voltage	$V_{CEO}$	$I_C=10mA, I_B=0$	400		V
发射极-基极电压 Emitter-Base Voltage	$V_{EBO}$	$I_E=1mA, I_C=0$	9		V
集电极-发射极饱和电压 Collector-Emitter Saturation Voltage	$V_{cesat}$	$I_C=100mA, I_B=10mA$		0.30	V
		$I_C=0.5A, I_B=0.1A$		0.50	
发射极-基极饱和电压 Base-Emitter Saturation Voltage	$V_{besat}$	$I_C=100mA, I_B=10mA$		1.0	V
电流放大倍数 DC Current Gain	$h_{FE}$	$V_{CE}=5V, I_C=1mA$	7		
		$V_{CE}=10V, I_C=0.1A$	10	40	
		$V_{CE}=5V, I_C=0.8A$	5		
贮存时间 Storage Time	$t_s$	$V_{CC}=5V, I_C=0.1A,$ (UI9600)	2.0	4.2	$\mu S$
下降时间 Falling Time	$t_f$			0.9	

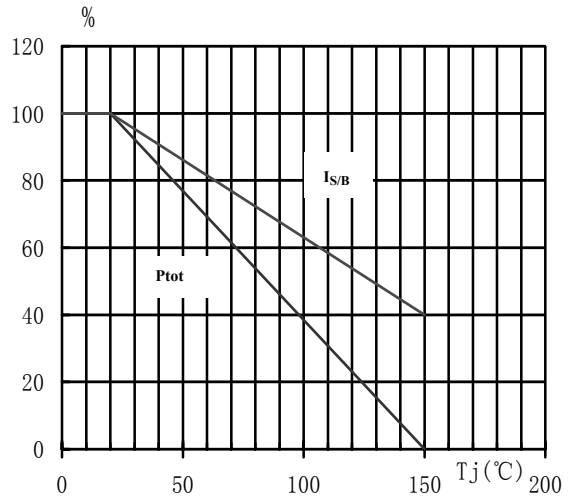
BUL 系列晶体管 / BUL SERIES TRANSISTORS

BUL6822

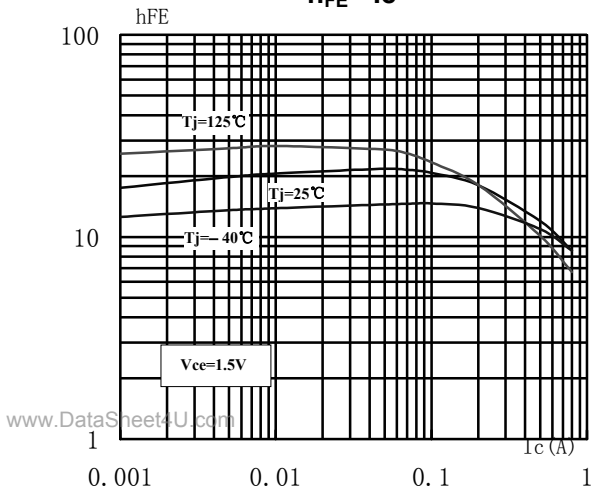
SOA (DC)



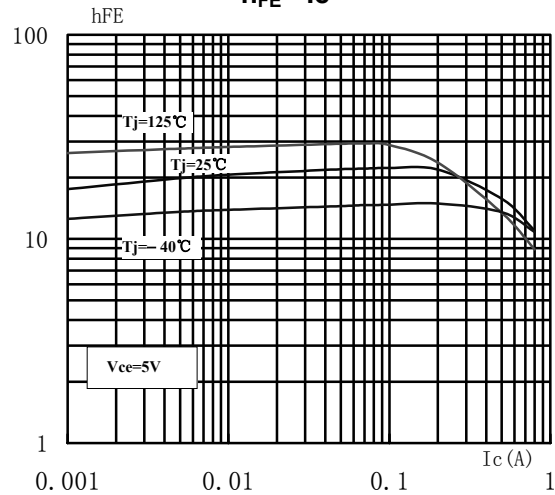
$P_c \propto T_j$



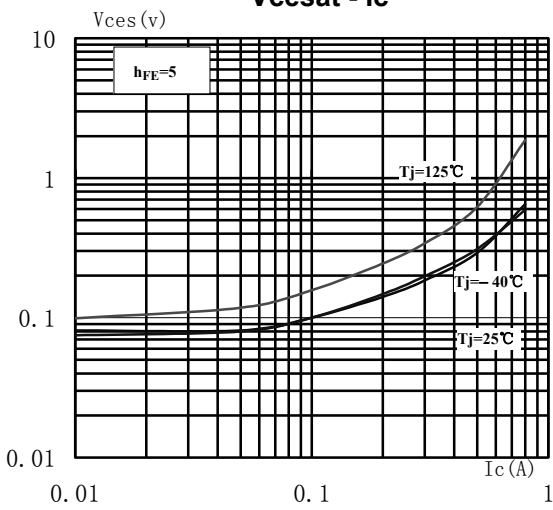
$h_{FE} - I_c$



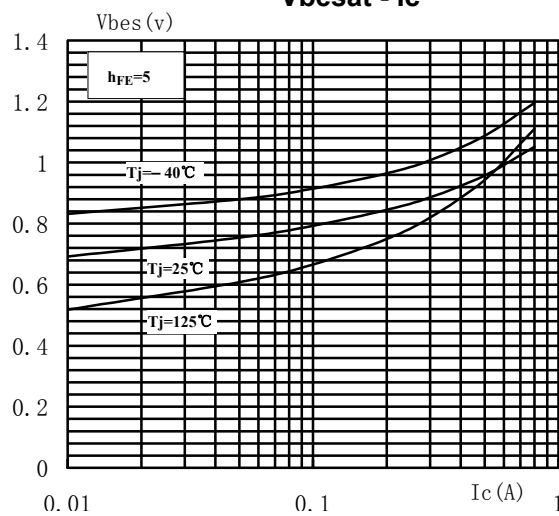
$h_{FE} - I_c$



$V_{cesat} - I_c$



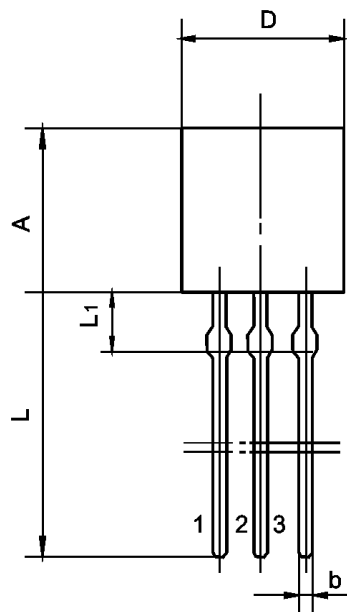
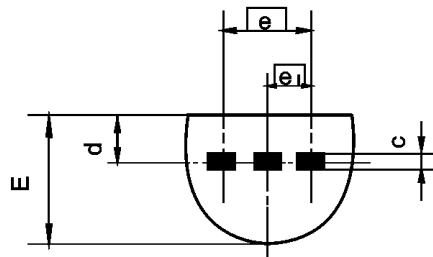
$V_{besat} - I_c$



## TO-92 封装机械尺寸 TO-92 MECHANICAL DATA

单位:毫米/UNIT: mm

符号/SYMBOL	最小值/min	典型值/nom	最大值/max
A	4.30		5.30
b	0.30		0.55
c	0.30		0.50
$\phi D$ D	4.30		5.20
d	1.00		1.70
E	3.20		4.20
e		2.54	
e1		1.27	
L	12.70		15.00
L1	1.50		2.00



www.DataSheet4U.com