

NPN BLD 系列晶体管/ BLD SERIES TRANSISTORS

BLD135D

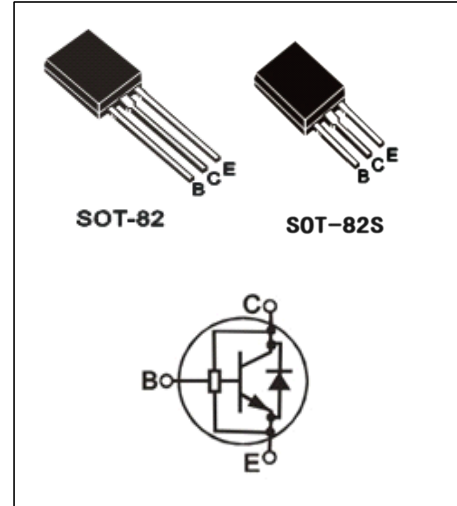
- **特点:** 耐压高 开关速度快 安全工作区宽 符合 **RoHS** 规范
- **FEATURES:** ■HIGH VOLTAGE CAPABILITY ■HIGH SPEED SWITCHING ■WIDE SOA ■RoHS COMPLIANT
- **应用:** 充电器 节能灯 电子镇流器
- **APPLICATION:** ■RECHARGER ■FLUORESCENT LAMP ■ELECTRONIC BALLAST

●最大额定值 (Ta=25°C)

●Absolute Maximum Ratings (Ta=25°C)

SOT-82/82S

参数 PARAMETER	符号 SYMBOL	额定值 VALUE	单位 UNIT
集电极-基极电压 Collector-Base Voltage	V _{CB0}	700	V
集电极-发射极电压 Collector-Emitter Voltage	V _{CEO}	400	V
集电极-发射极电压 Emitter- Base Voltage	V _{EBO}	9.0	V
基极电流 Base Current	I _b	1.0	A
集电极电流 Collector Current	I _c	3.5	A
集电极耗散功率 Total Power Dissipation	P _{tot}	50	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 _{CB0}	V _{CB} =700V		100	μA
集电极-发射极截止电流 Collector-Emitter Cutoff Current	I _{CEO}	V _{CE} =400V, I _B =0		250	μA
集电极-基极电压 Collector-Base Voltage	V _{CB0}	I _C =1mA, I _E =0	700		V
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 =0.8A, I _B =0.2A		0.3	V
		I _C =3A, I _B =0.6A		1.2	
发射极-基极饱和电压 Base-Emitter Saturation Voltage	V _{besat}	I _C =3A, I _B =0.6A		1.2	V
电流放大倍数 DC Current Gain	h _{FE}	V _{CE} =5V, I _C =1mA	7		
		V _{CE} =5V, I _C =0.2A	10	40	
		V _{CE} =5V, I _C =3.5A	5		
贮存时间/Storage Time	t _s	V _{CC} =5V, I _C =0.5A, (UI9600)	2.0	4.0	μs
下降时间/Falling Time	t _f			0.8	
内置二极管正向压降 Diode Forward Voltage	V _F	I _F =1.8A		2.0	V

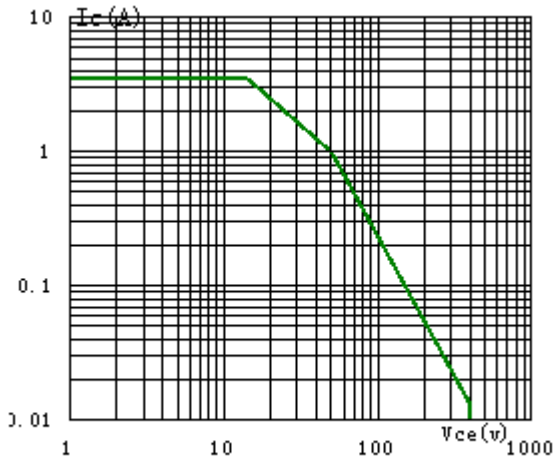
●订单信息/ORDERING INFORMATION:

包装形式/PACKING	订货编码/ORDERING CODE	
	普通塑封料/ Normal Package Material	无卤塑封料/Halogen Free
SOT-82 普通袋装/NORMAL PACKING	BLD135D SOT-82	BLD135D SOT-82-HF
SOT-82S 普通袋装/NORMAL PACKING	BLD135D SOT-82S	BLD135D SOT-82S-HF

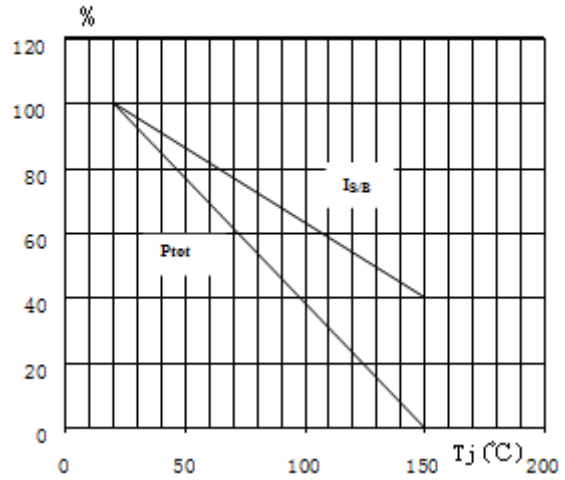
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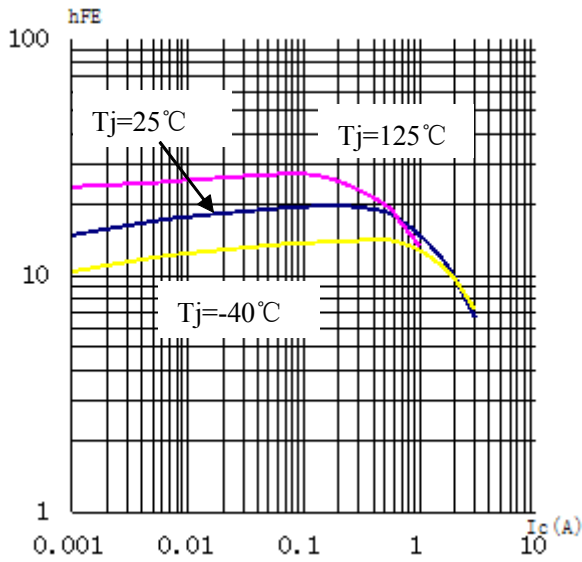
SOA (DC)



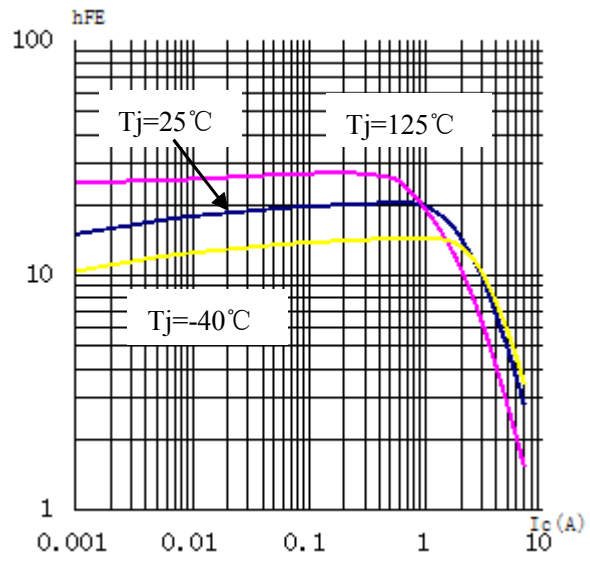
$P_{tot} \propto T_j$



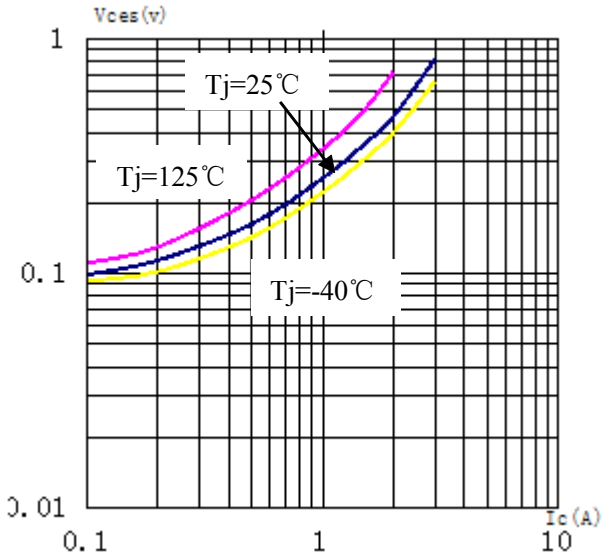
hFE-Ic



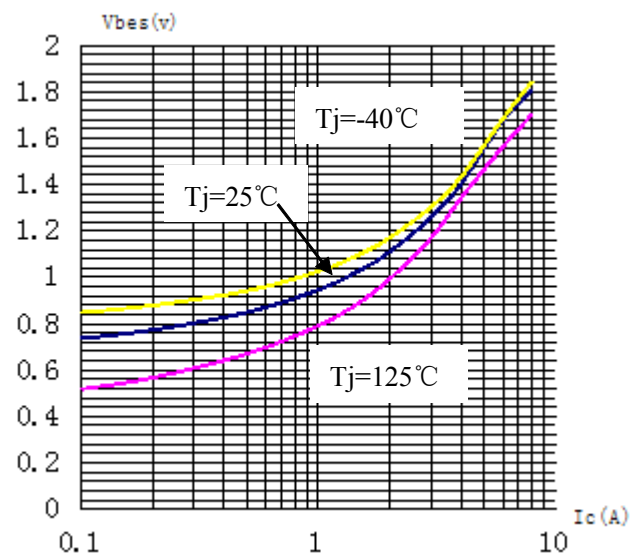
hFE-Ic



V_{ces} -Ic



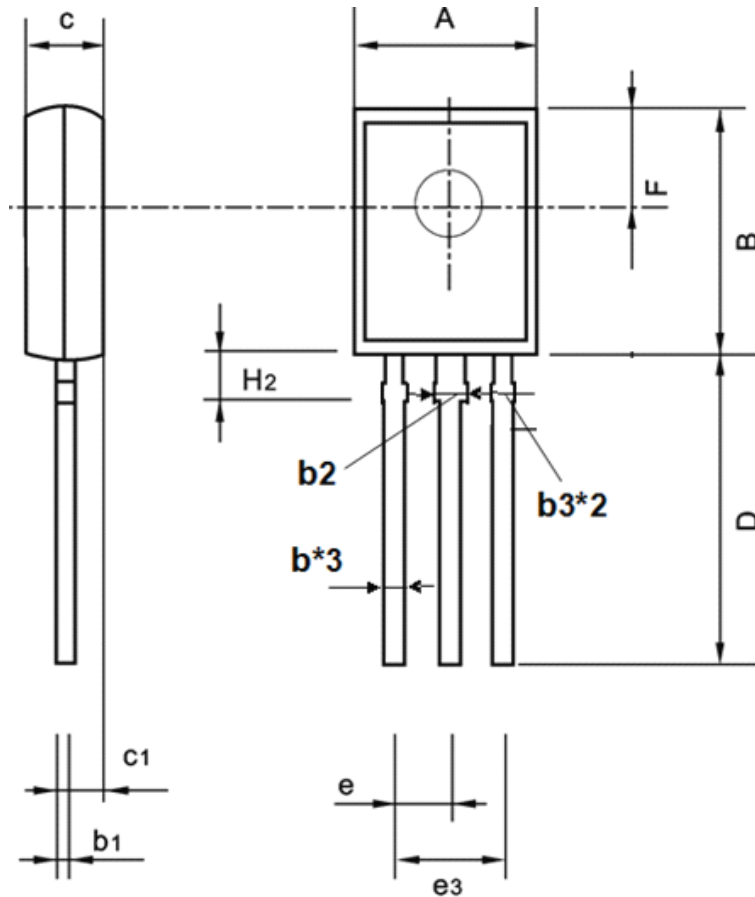
V_{bes} -Ic



SOT-82 封装机械尺寸 SOT-82 MECHANICAL DATA

单位:毫米/UNIT: mm

符号/SYMBOL	最小值/min	典型值/nom	最大值/max
A	7.40		7.80
B	10.50		11.10
b	0.70		0.90
b1	0.38		0.60
b2	1.25	1.27	1.35
b3	0.70	0.76	0.90
C	2.40		2.70
c1	1.00		1.30
D	15.00		16.50
e		2.20	
e3	4.15		4.65
F		3.80	
H2		2.15	



SOT-82S 封装机械尺寸 SOT-82S MECHANICAL DATA

单位:毫米/UNIT: mm

符号/SYMBOL	最小值/min	典型值/nom	最大值/max
A	7.40		7.80
B	10.50		11.10
b	0.70		0.90
b1	0.38		0.60
b2	1.25	1.27	1.35
b3	0.70	0.76	0.90
C	2.40		2.70
c1	1.00		1.30
D	3.20		3.80
e		2.29	
e3	4.15		4.65
F		3.80	
H2			2.40

