



NPN BLD 系列晶体管/ BLD SERIES TRANSISTORS

BLD135D

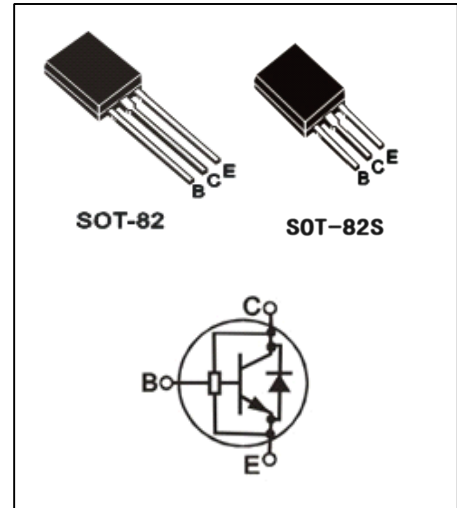
- 特点: 耐压高 开关速度快 安全工作区宽 符合 RoHS 规范
- FEATURES: ■HIGH VOLTAGE CAPABILITY ■HIGH SPEED SWITCHING ■WIDE SOA ■RoHS COMPLIANT
- 应用: 充电器 节能灯 电子镇流器
- APPLICATION: ■RECHARGER ■FLUORESCENT LAMP ■ELECTRONIC BALLAST

●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_{CBO}	$V_{CB}=700V$		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:

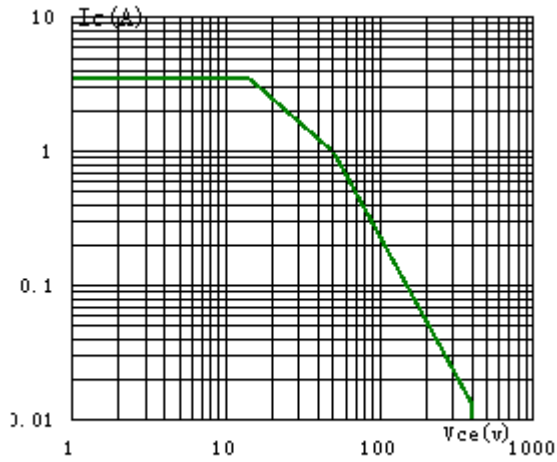
包装形式/PACKING	订货编码/ORDERING CODE	
	普通塑封料/ Normal Package Material	无卤塑封料/Halogen Free
SOT-82 普通袋装/NORMAL PACKING	BLD135D SOT-82	BLD135D SOT-82-HF
SOT-82S 普通袋装/NORMAL PACKING	BLD135D SOT-82S	BLD135D SOT-82S-HF



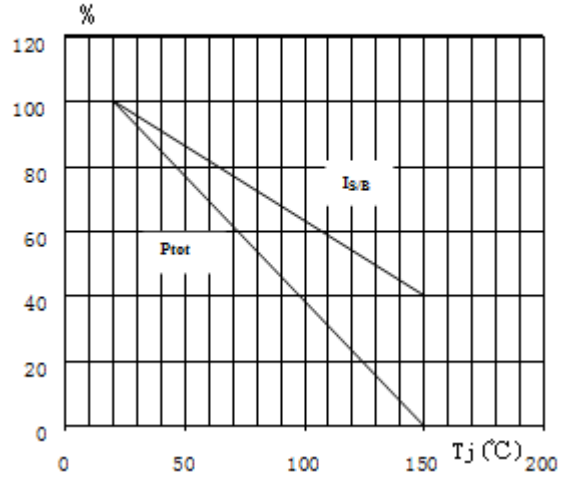
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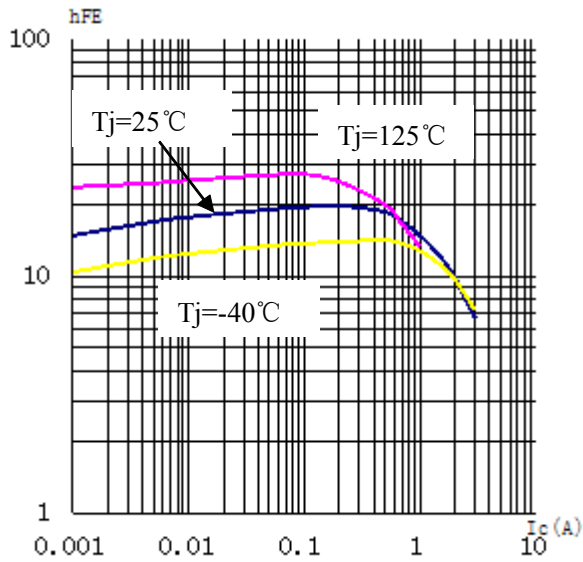
SOA (DC)



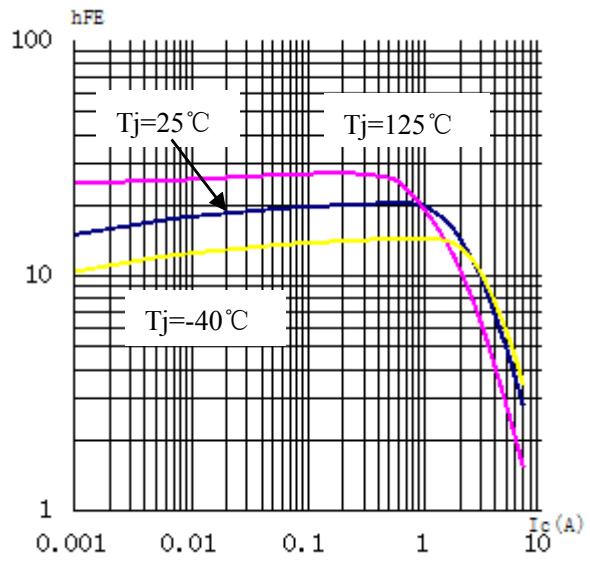
$P_{tot} \propto T_j$



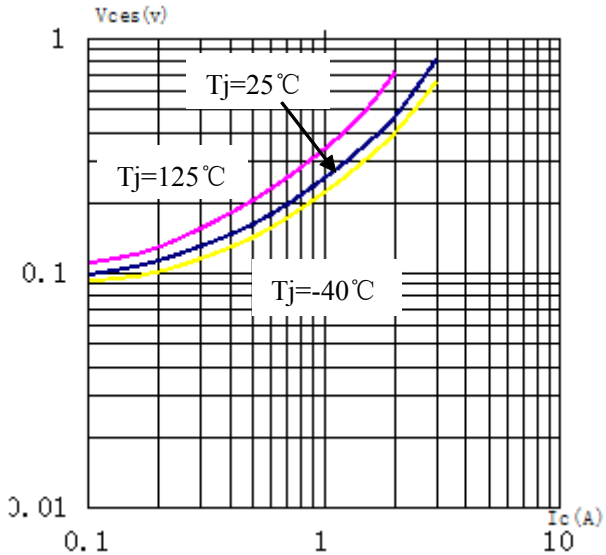
hFE-Ic



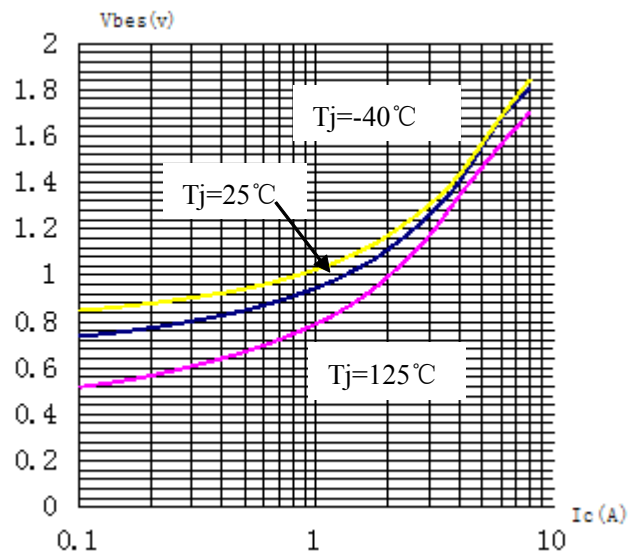
hFE-Ic



Vces-Ic



Vbes-Ic

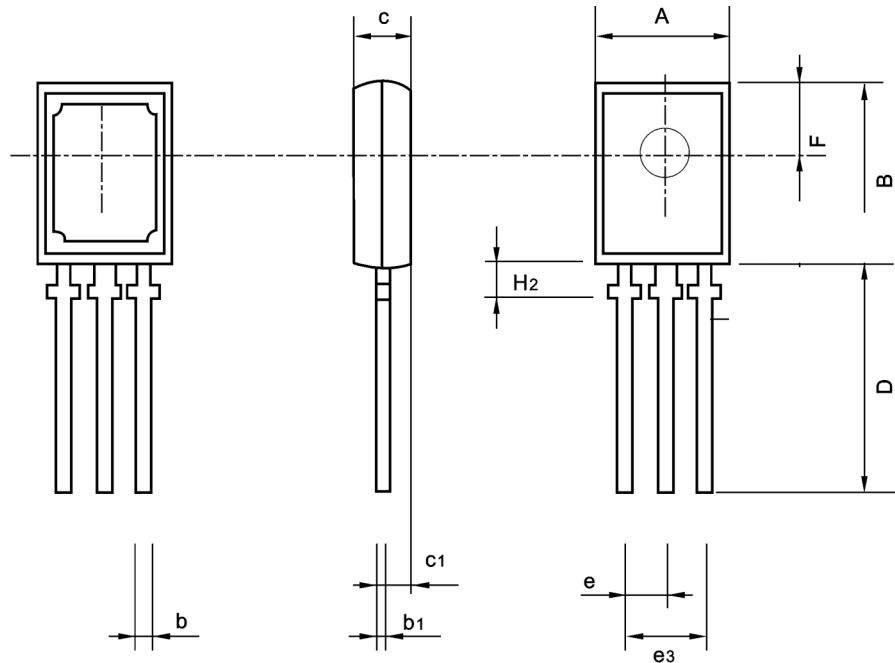




SOT-82 封装机械尺寸 SOT-82 MECHANICAL DATA

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
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
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		2.15	2.40

