

NPN 低压系列晶体管/ L SERIES TRANSISTORS

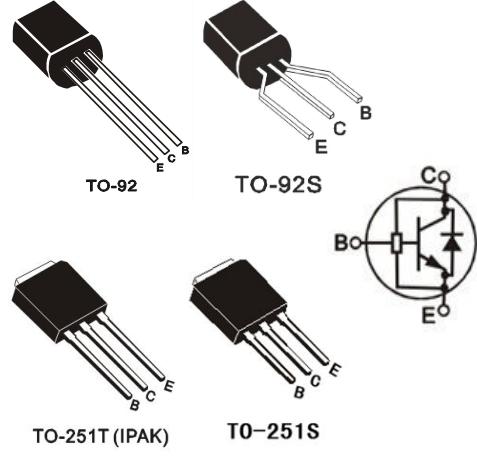
BLD122DL

- 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: 适用于 110V 电路 节能灯 电子镇流器
- APPLICATION: SUITABLE FOR 110V CIRCUIT MODE ■FLUORESCENT LAMP ■ELECTRONIC BALLAST

●最大额定值 (Tc=25°C)

●Absolute Maximum Ratings (Tc=25°C) TO-92/92S/251T/251S

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}	400	V
集电极-基极电压 Collector-Emitter Voltage	V _{CEO}	200	V
集电极-基极电压 Emitter- Base Voltage	V _{EBO}	9	V
集电极-基极电压 Collector Current	I _C	2	A
集电极-基极电压 Total Power Dissipation	P _{tot}	TO-92/92S:12 TO-251T/251S:20	W
集电极-基极电压 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} =400V		100	μA
集电极-发射极电压 Collector-Emitter Cutoff Current	I _{CEO}	V _{CE} =200V, I _B =0		250	μA
集电极-基极电压 Collector-Base Voltage	V _{CBO}	I _C =1mA, I _E =0	400		V
集电极-发射极电压 Collector-Emitter Voltage	V _{CEO}	I _C =10mA, I _B =0	200		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 =0.5A, I _B =0.1A I _C =1.5A, I _B =0.5A	0.5 1.0		V
发射极-基极饱和电压 Base-Emitter Saturation Voltage	V _{besar}	I _C =1.5A, I _B =0.5A	1.5		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 =2A	5		
贮存时间/Storage Time	t _s	V _{CC} =5V, I _C =0.25A (UI9600)	1.5	3.0	μs
内置二极管正向压降 Diode Forward Voltage	V _F	I _F =1.0A		2.0	V

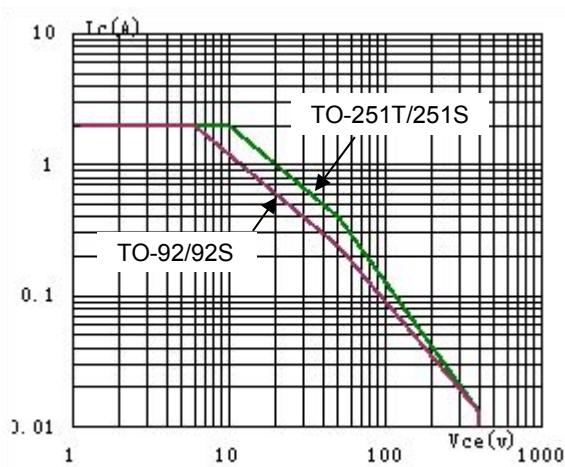
●订单信息/ORDERING INFORMATION:

包装形式/PACKING	订货编码/ORDERING CODE	
	普通塑封料/ Nornal Package Material	无卤塑封料/Halogen Free
TO-92 普通袋装/NORMAL PACKING	BLD122DL TO-92	BLD122DL TO-92-HF
TO-92S 普通袋装/NORMAL PACKING	BLD122DL TO-92S	BLD122DL TO-92S-HF
TO-92 盒式编带/AMMOPACK	BLD122DL TO-92-AP	BLD122DL TO-92-AP-HF
TO-251T 普通袋装/NORMAL PACKING	BLD122DL TO-251T	BLD122DL TO-251T-HF
TO-251S 普通袋装/NORMAL PACKING	BLD122DL TO-251S	BLD122DL TO-251S-HF

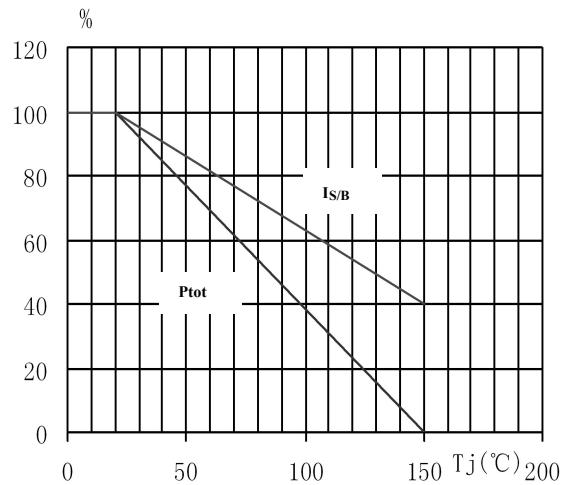
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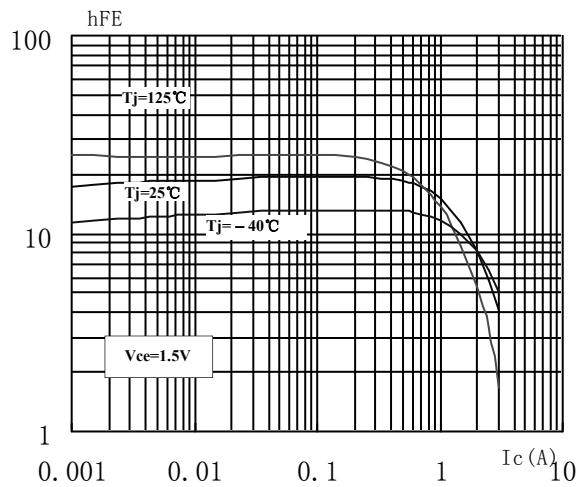
SOA (DC)



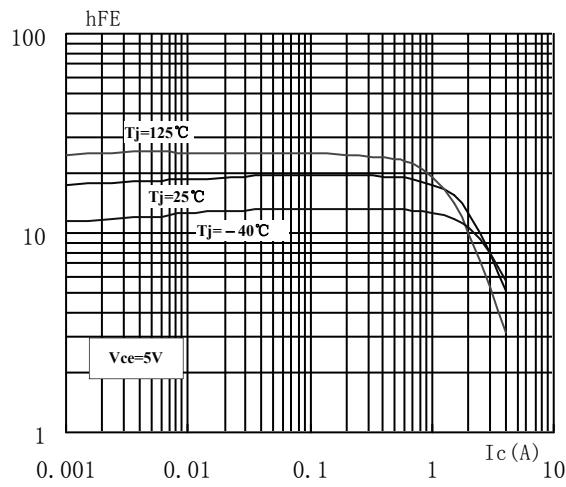
$P_{tot} \propto T_j$



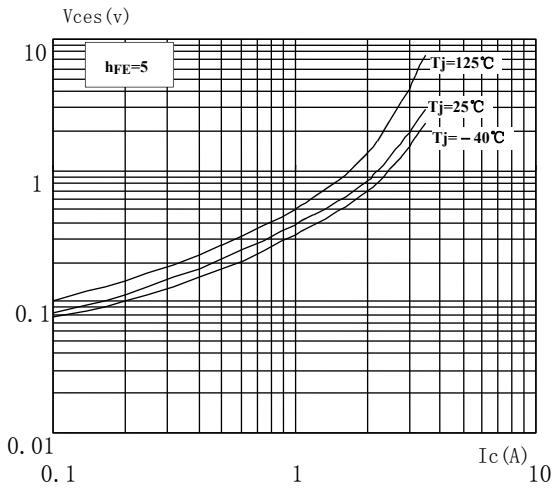
$h_{FE} - I_c$



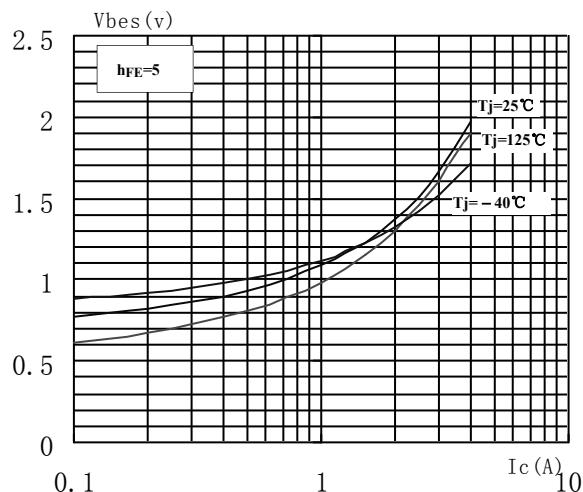
$h_{FE} - I_c$



$V_{cesat} - I_c$



$V_{besat} - I_c$

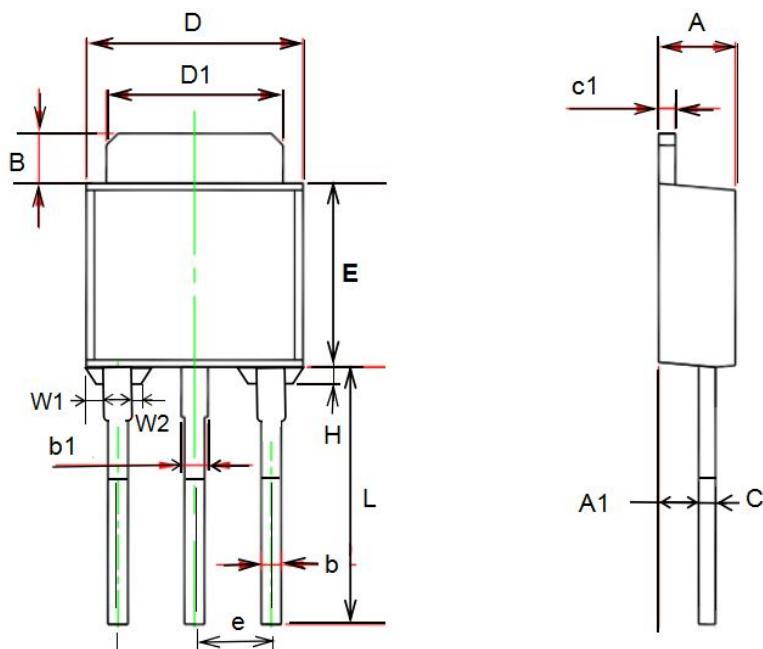


TO-251T 封装机械尺寸 TO-251T (IPAK) MECHANICAL DATA

单位:毫米/UNIT: mm

符号/SYMBOL	最小值/min	典型值/nom	最大值/max
A	2.10		2.50
A ₁	0.95		1.30
B	0.80		1.25
b	0.50		0.80
b ₁	0.70		0.80
c	0.45		0.70
c ₁	0.45		0.70
D	6.35		6.80
D ₁	5.10		5.50
E	5.30		6.30
e	2.25	2.30	2.35
L	7.00		9.20
H	0.35		0.45
W ₁	0.30		0.50
W ₂	0.20		0.40

[S/L]



TO-251S 封装机械尺寸 TO-251S (IPAK) MECHANICAL DATA

单位:毫米/UNIT: mm

符号/SYMBOL	最小值/min	典型值/nom	最大值/max
A	2.20		2.40
b	0.50		0.85
C	0.45	0.50	0.60
D	6.50		6.70
D1	5.10		5.50
E	5.9		6.20
e	2.18	2.29	2.38
L	11.00		12.40
L1	4.8		5.3
L2	3.5		4.2

