

BLD128DD

硅 NPN 半导体三极管/SILICON NPN TRANSISTOR

用途：用于节能灯、电子镇流器、电子变压器，开关电源。

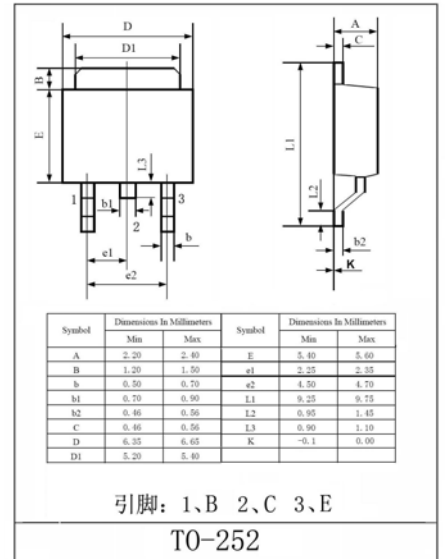
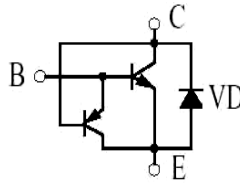
Purpose: Fluorescent lamp, electronics ballast, electronic transformer, switch mode power supply.

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.

极限参数/Absolute maximum ratings(Ta=25°C)

参数符号 Symbol	数值 Rating	单位 Unit
V _{CB0}	700	V
V _{CE0}	400	V
V _{EB0}	9	V
I _C	5	A
P _C (Ta=25°C)	1.5	W
P _C (Tc=25°C)	50	W
T _j	150	°C
T _{stg}	-55~150	°C



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

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 _{CB0}	I _C =1mA	I _E =0	700			V
V _{CE0}	I _C =10mA	I _B =0	400			V
V _{EB0}	I _E =1mA	I _C =0	9			V
I _{CB0}	V _{CB} =700V	I _E =0			0.1	mA
I _{CE0}	V _{CE} =400V	I _B =0			0.1	mA
I _{EB0}	V _{EB} =9V	I _C =0			0.1	mA
h _{FE(1)}	V _{CE} =5V	I _C =1A	10		40	
h _{FE(2)}	V _{CE} =5V	I _C =4A	5			
h _{FE(3)}	V _{CE} =5V	I _C =10mA	7			
V _{CE(sat) (1)}	I _C =1A	I _B =0.2A			0.5	V
V _{CE(sat) (2)}	I _C =4A	I _B =1A			1.5	V
V _{BE(sat)}	I _C =1A	I _B =0.2A			1.5	V
t _s	V _{CE} =5V	I _C =0.5A	1.5		5	μ s
t _f	(UI9600)				0.8	
f _T	V _{CE} =10V	I _C =0.5A	f=1MHZ	5		MHZ

