

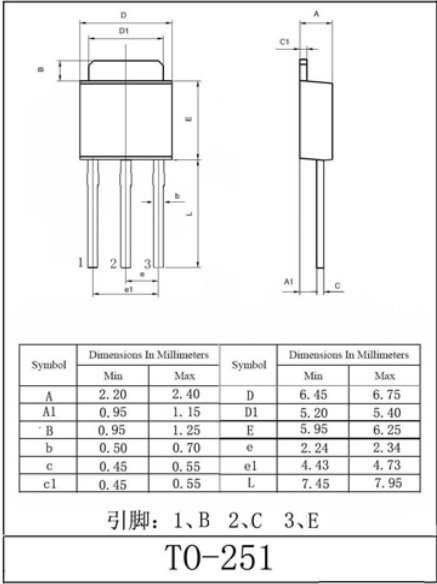
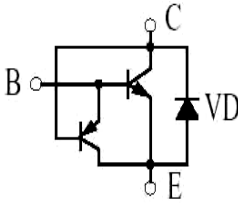
MJE13005DQ3 (3DD13005DQ3)硅 NPN 半导体三极管/SILICON NPN TRANSISTOR

用途：主要用于高频电子照明电路、开关及开关电源。

Purpose: High frequency electronic lighting, switching power supply applications.

极限参数/Absolute maximum ratings(Ta=25℃)

参数符号 Symbol	数值 Rating	单位 Unit
V _{CB0}	700	V
V _{CE0}	450	V
V _{EB0}	9.0	V
I _C	4	A
P _C (Ta=25℃)	1.2	W
P _C (Tc=25℃)	45	W
T _j	150	℃
T _{stg}	-55~150	℃



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

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	450			V
V _{EB0}	I _E =1mA	I _C =0	9.0			V
I _{CB0}	V _{CB} =700V	I _E =0			0.1	mA
I _{CE0}	V _{CE} =450V	I _B =0			0.1	mA
I _{EB0}	V _{EB} =9.0V	I _C =0			0.1	mA
h _{FE(1)}	V _{CE} =5.0V	I _C =1.0A	10		50	
h _{FE(2)}	V _{CE} =5.0V	I _C =2.0A	8		40	
V _{CE(sat)}	I _C =2.0A	I _B =0.4A			1.0	V
V _{BE(sat)}	I _C =2.0A	I _B =0.4A			1.6	V
f _T	V _{CE} =10V I _C =0.5A f=1.0MHz		5.0			MHz
t _f	V _{CE} =5V I _C =0.5A				0.8	μs
t _s	(UI9600)				4.0	μs

