

MJE13003N5 (3DD13003N5)

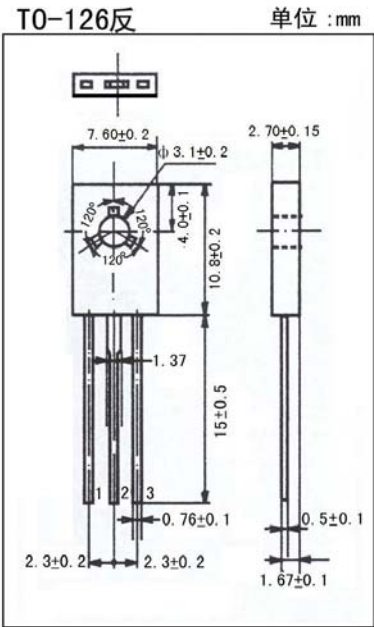
硅 NPN 半导体三极管/SILICON NPN TRANSISTOR

用途：主要用于节能灯、日光灯电子镇流器及其它开关、振荡电路。

Purpose: High frequency electronic lighting ballast applications, converters, inverters, switching regulators, etc.

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}	400	V
V _{EB0}	9.0	V
I _C	2.0	A
P _C (Ta=25℃)	1.25	W
P _C (Tc=25℃)	50	W
T _j	150	℃
T _{stg}	-55~150	℃



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

引脚: 1. B 2. C 3. E

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	9.0			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} =9.0V	I _C =0			0.1	mA
h _{FE}	V _{CE} =5.0V	I _C =0.5A	10		40	
V _{CE(sat)}	I _C =1.0A	I _B =0.25A			0.8	V
V _{BE(sat)}	I _C =1.0A	I _B =0.5A			1.2	V
f _T	V _{CE} =10V I _C =0.1A f=1.0MHz		5.0			MHz
T _{stg}	V _{CE} =5V I _C =0.25A				6	μs
T _{off}	(UI9600)				0.8	μs

