

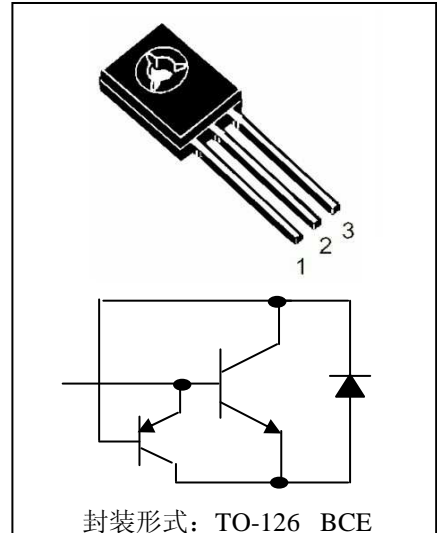


- 特点: ■击穿电压稳定 ■开关速度快 ■安全工作区宽 ■符合ROHS规范
- FEATURES: ■HIGH VOLTAGE CAPABILITY ■HIGH SPEED SWITCHING ■WIDE SOA ■ROHS COMPLIANT
- 应用 ■节能灯 ■电子镇流器 ■电子变压器等开关电路
- APPLICATION: ■FLUORESCENT LAMP ■ELECTRONIC BALLAST ■ELECTRONIC TRANSFORMER ECT.

●最大额定值 (TC=25°C)

●Absolute Maximum Ratings (Tc=25°C)

参数名称 PARAMETER	符号 SYMBOL	额定值 VALUE	单位 UNIT
集电极-基极电压 Collector-Base Voltage	VCBO	700	V
集电极-发射极电压 Collector-Emitter Voltage	VCEO	410	V
发射极-基极 Emitter-Base Voltage	VEBO	10	V
集电极电流 Collector Current	Ic	2	A
集电极耗散功率 Total Power Dissipation	PC	28	W
最高工作温度 Junction Temperature	Tj	150	°C
贮存温度 Storage Temperature	TsTg	-55-150	°C



电特性 (TC=25°C)

Electical Characteristics (Tc=25°C)

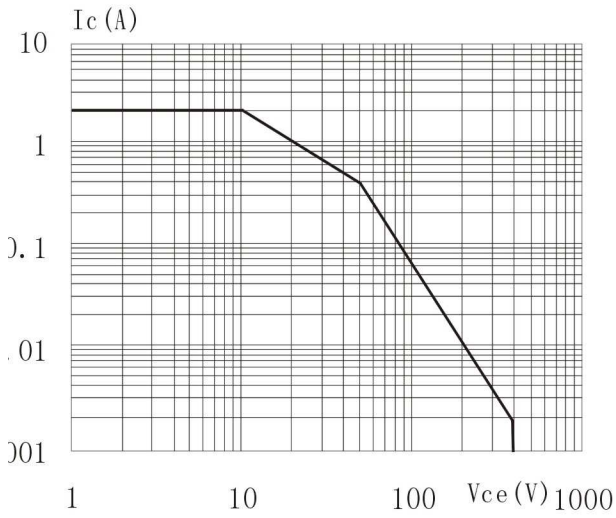
参数名称 CHARACTERISTICS	符号 SYMBOL	测试条件 TEST CONDITION	最小值 MIN	最大值 MAX	单位 UNIT
集电极-基极截止电流 Collector-Base Cutoff Current	ICBO	V <sub>CB</sub> =700V		2	uA
集电极-发射极截止电流 Collector-Emitter Cutoff Current	ICEO	V <sub>CE</sub> =400V, I <sub>B</sub> =0		5	uA
集电极-发射极电压 Collector-Emitter Voltage	VCEO	I <sub>C</sub> =10mA, I <sub>B</sub> =0	410		V
发射极-基极电压 Collector-Base Voltage	VEBO	I <sub>E</sub> =1mA, I <sub>C</sub> =0	10		V
集电极-发射极饱和压降 Collector-Emitter Saturation Voltage	V <sub>cesat</sub>	I <sub>C</sub> =1.0A, I <sub>B</sub> =0.25A		0.35	V
		I <sub>C</sub> =1.5A, I <sub>B</sub> =0.5A		0.55	V
发射极-基极饱和压降 Base-Emitter Saturation Voltage	V <sub>besat</sub>	I <sub>C</sub> =1.5A, I <sub>B</sub> =0.5A		1.2	V
电流放大倍数 DC Current Gain	H <sub>fe</sub>	V <sub>CE</sub> =5V, I <sub>C</sub> =200uA	8		
		V <sub>CE</sub> =5V, I <sub>C</sub> =0.25A	15	30	
		V <sub>CE</sub> =5V, I <sub>C</sub> =2A	6		
贮存时间 Storage Time	ts	V <sub>CC</sub> =5V I <sub>C</sub> =0.5A	1.5	3.0	us
下降时间 falling time	tf	(UI9600)		0.8	
内置二极管正向压降 Diode Forward Voltage	V <sub>f</sub>	I <sub>C</sub> =2.0A	1.35	1.65	V

注意事项: 1、使用时不要外接续流保护二极管

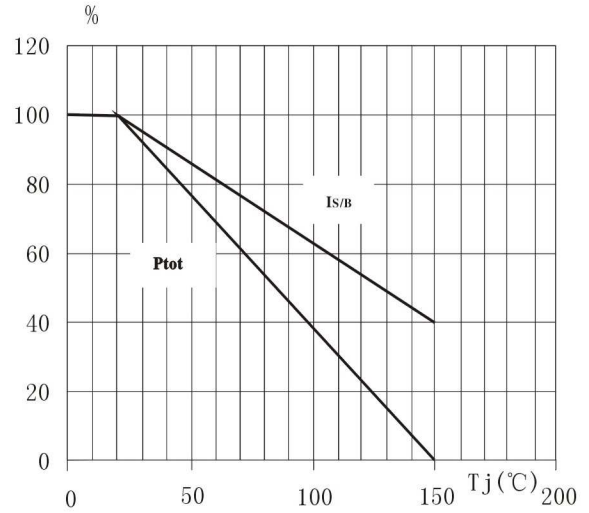
2、基极驱动电流应较强, 确保不出现基极驱动不足, 但也不能太强, 超过PNP管的控制范围。



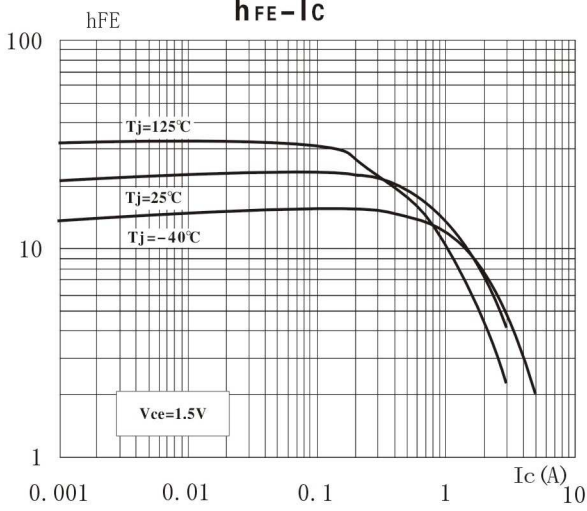
SOA(DC)



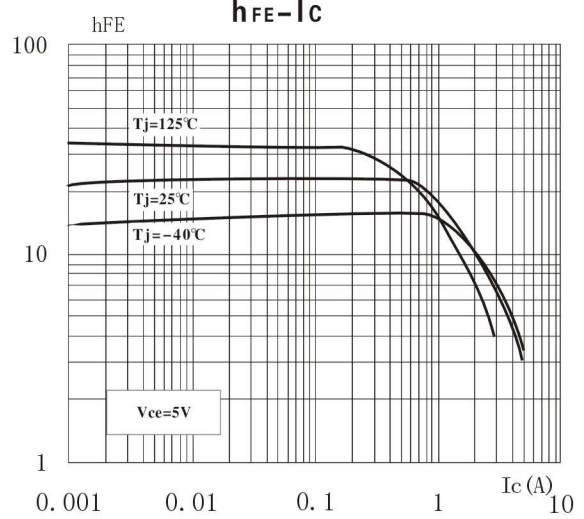
$P_c \propto T_j$



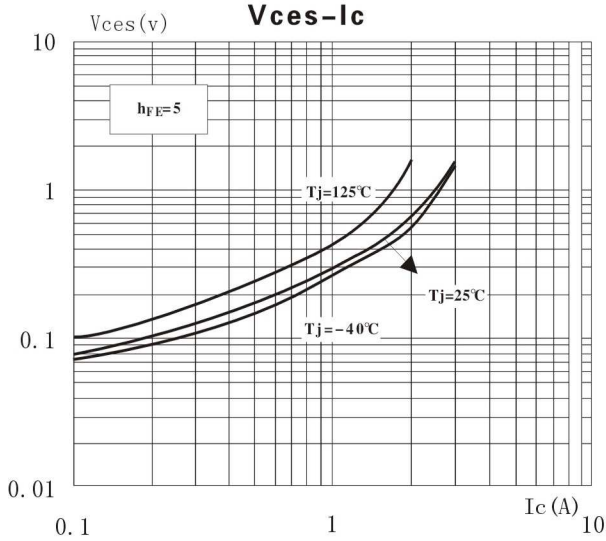
$h_{FE}-I_c$



$h_{FE}-I_c$



$V_{ces}-I_c$



$V_{bes}-I_c$

