

MAIN CHARACTERISTICS 主要参数

封装类型	Ic	VCEO	Pc
TO-92	0.3A	480V	7W

APPLICATIONS 产品应用

- Energy-saving lamp 节能灯
- Electronic ballasts 电子镇流器
- High frequency switching power supply 高频开关电源
- High frequency power transform 高频功率变换
- Commonly power amplifier circuit 一般功率放大电路

FEATURES 产品特性

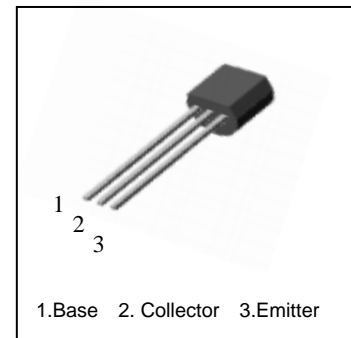
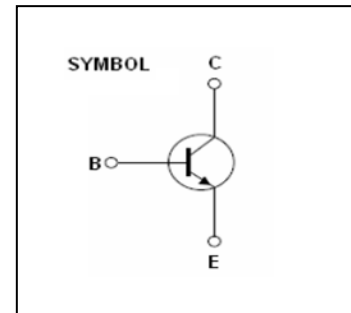
- High breakdown voltage 高耐压
- High current capability 高电流容量
- High switching speed 高开关速度
- High reliability 高可靠性
- RoHS product 环保 (RoHS)产品

ORDER MESSAGE 订货信息

订单型号 Order Codes	印记 Marking	无卤素 Halogen Free	封装 Package	包装 Packaging
SP13001-92	SP13001	否 NO	TO-92	袋装 Bag

Package

TO-92

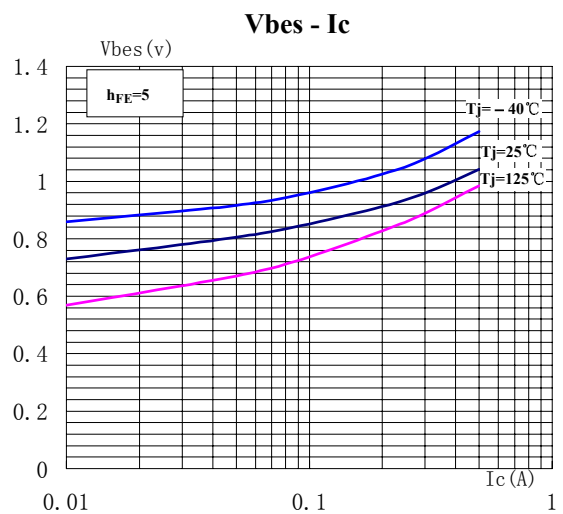
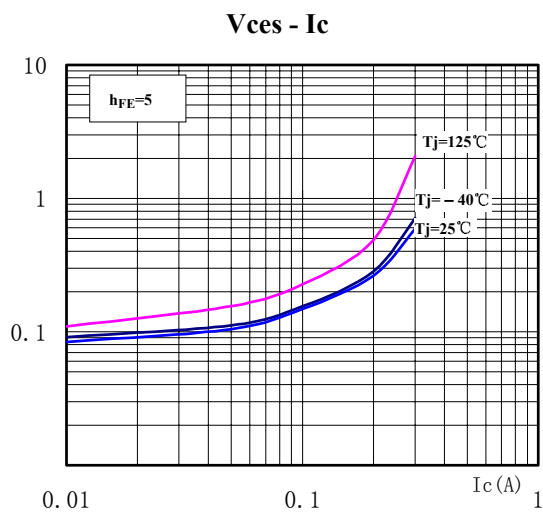
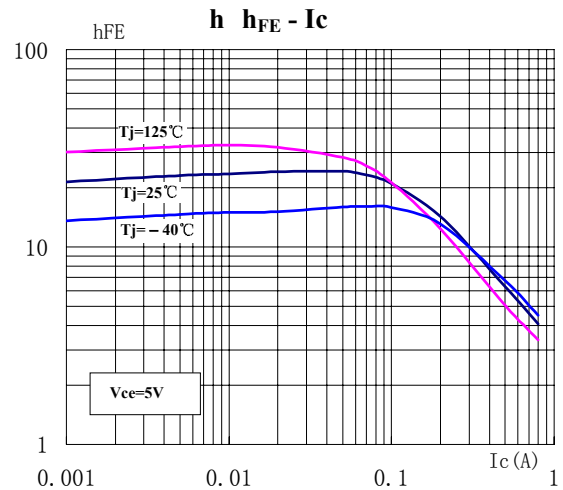
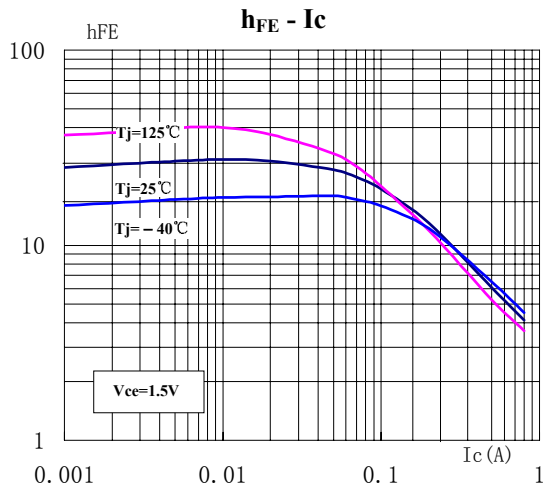
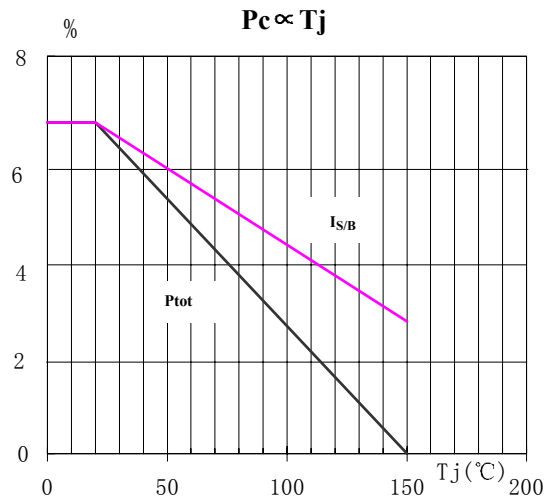
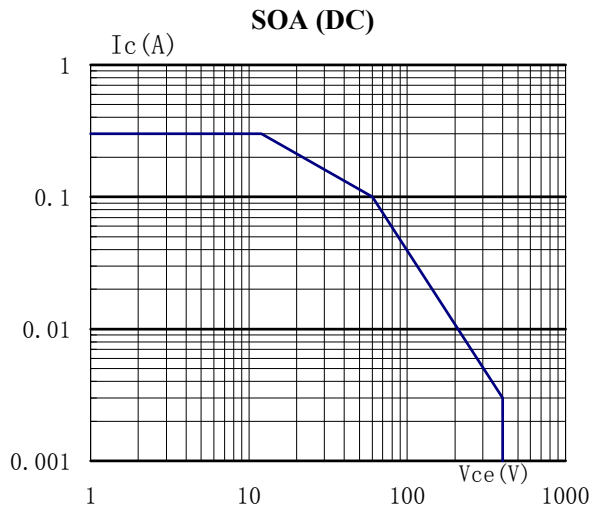


ABSOLUTE RATINGS 最大额定值 (TC=25°C)

Parameter 参数	Symbol 符号	Value 额定值	Unit 单位
Collector-Base Voltage 集电极-基极电压	V _{CB0}	700	V
Collector-Emitter Voltage 集电极-发射极电压	V _{CE0}	480	V
Emitter-Base Voltage 发射极-基极电压	V _{EBO}	9	V
Collector Current 集电极电流	I _c	0.3	A
Total Power Dissipation 集电极功耗功率	P _c	7	W
Junction Temperature 最高工作温度	T _j	150	°C
Storage Temperature 贮存温度	T _{stg}	-65~150	°C

ELECTRICAL CHARACTERISTICS 电特性 (TC=25°C)

参数 Parameter	测试条件 Test conditions	最小值 Min	最大值 Max	单位 Unit
BV _{CB0}	I _c =0.5mA, I _e =0	700		V
BV _{CE0}	I _c =10mA, I _b =0	480		V
BV _{EBO}	I _e =1mA, I _c =0	9		V
I _{cBO}	V _{cb} =550V, I _e =0		100	μA
I _{CE0}	V _{ce} =400V, I _b =0		200	μA
I _{EBO}	V _{eb} =9V, I _c =0A		20	μA
hFE(1)	V _{ce} =20V, I _c =20mA	15	35	
hFE(2)	V _{ce} =5V, I _c =1mA	9		
V _{CE(sat)}	I _c =50mA, I _b =10mA		0.6	V
V _{BE(sat)}	I _c =50mA, I _b =10mA		1.2	V
T _s			3.0	us
T _f	I _C =0.5A (UI9600)		0.8	



OUTLINE DIMENSION 产品尺寸图 (Unit: mm)

TO-92

