

## MJE 系列晶体管/MJE SERIES TRANSISTORS

## MJE13001

●特点：耐高压 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

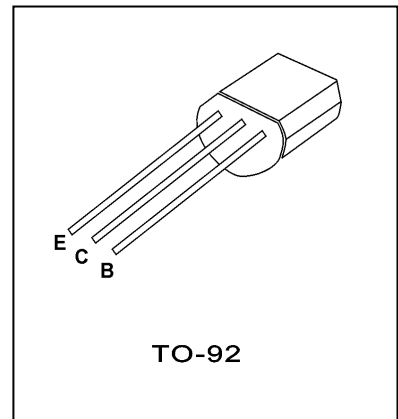
●应用：节能灯 电子镇流器

●APPLICATION: ■FLUORESCENT LAMP ■ELECTRONIC BALLAST

● 最大额定值 (Tc=25°C)

● Absolute Maximum Ratings (Tc=25°C) TO-92

参数 PARAMETER	符号 SYMBOL	额定值 VALUE	单位 UNIT
集电极-基极电压 Collector-Base Voltage	$V_{CBO}$	500	V
集电极-发射极电压 Collector-Emitter Voltage	$V_{CEO}$	400	V
发射极-基极电压 Emitter- Base Voltage	$V_{EBO}$	9	V
集电极电流 Collector Current	$I_C$	0.3	A
集电极耗散功率 Total Power Dissipation	$P_C$	7	W
最高工作温度 Junction Temperature	$T_j$	150	°C
贮存温度 Storage Temperature	$T_{stg}$	-65-150	°C



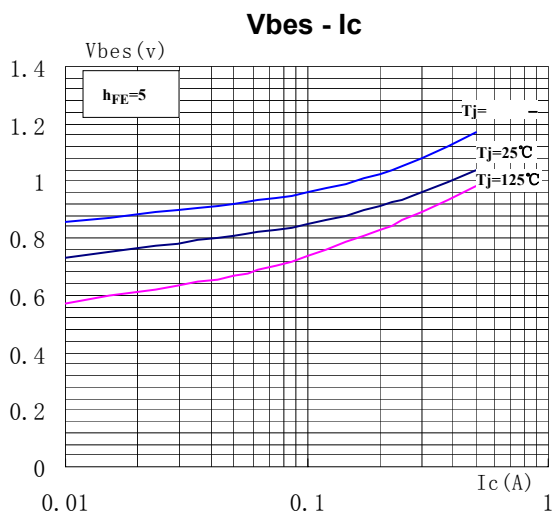
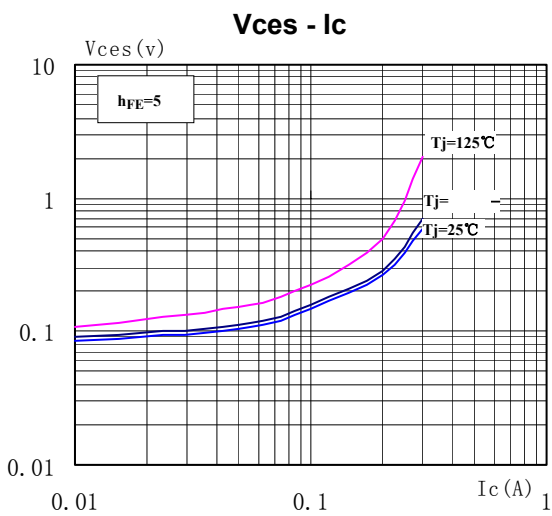
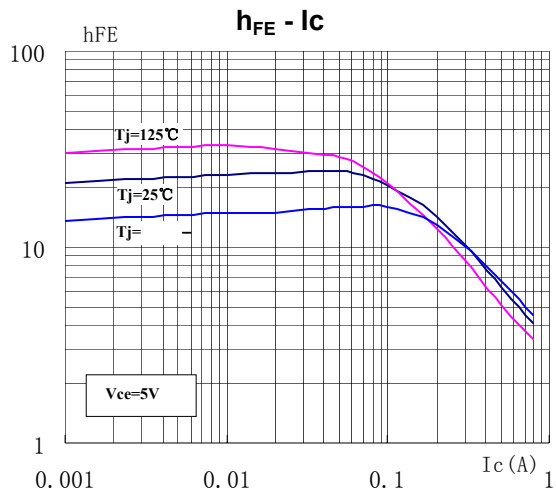
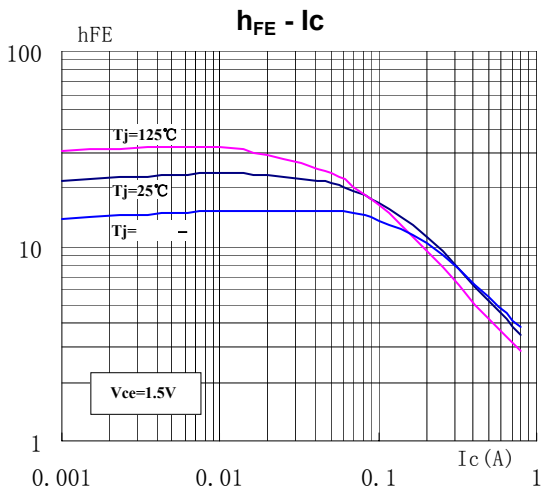
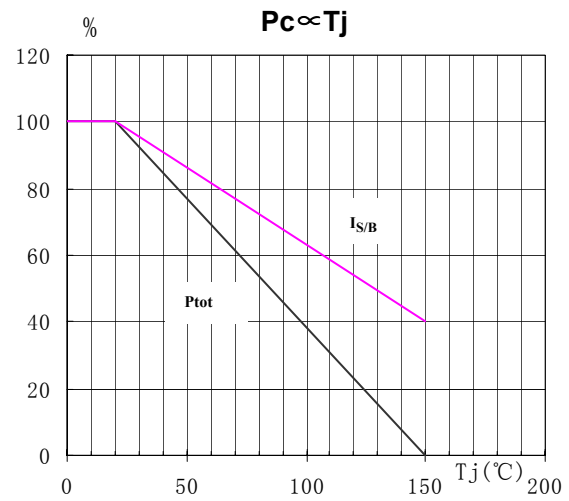
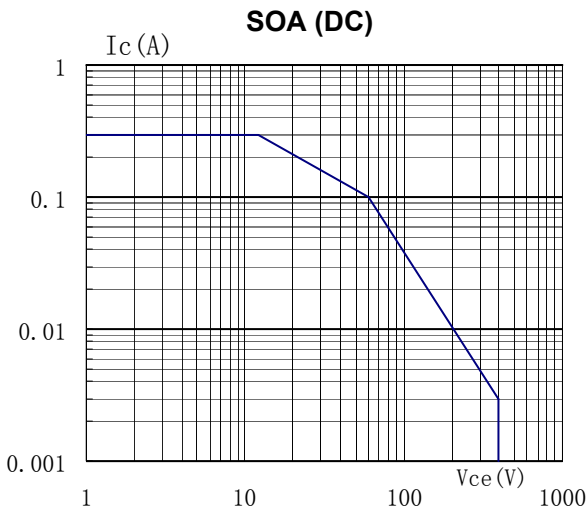
● 电特性 (Tc=25°C)

● Electronic 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	$I_{CBO}$	$V_{CB}=500V$		100	$\mu A$
集电极-发射极截止电流 Collector-Emitter Cutoff Current	$I_{CEO}$	$V_{CE}=400V, I_B=0$		250	$\mu A$
集电极-发射极电压 Collector-Emitter Voltage	$V_{CEO}$	$I_C=10mA, I_B=0$	400		V
发射极-基极电压 Emitter- Base Voltage	$V_{EBO}$	$I_E=1mA, I_C=0$	9		V
集电极-发射极饱和电压 Collector-Emitter Saturation Voltage	$V_{cesat}$	$I_C=0.05A, I_B=0.01A$		0.40	V
		$I_C=200mA, I_B=50mA$		0.80	
发射极-基极饱和电压 Base-Emitter Saturation Voltage	$V_{besat}$	$I_C=50mA, I_B=10mA$		1.1	V
电流放大倍数 DC Current Gain	$h_{FE}$	$V_{CE}=5V, I_C=1mA$	7		
		$V_{CE}=20V, I_C=20mA$	10	40	
		$V_{CE}=5V, I_C=250mA$	5		
贮存时间 Storage Time	$t_S$	$V_{CC}=5V, I_C=0.1A$ (UI9600)	0.5	2.5	$\mu S$
下降时间 Falling Time	$t_f$			0.8	

MJE 系列晶体管/MJE SERIES TRANSISTORS

MJE13001



### TO-92 封装机械尺寸 TO-92 MECHANICAL DATA

单位：毫米/UNIT: mm

符号/SYMBOL	最小值/min	典型值/nom	最大值/max
A	4.3		5.3
b	0.3		
c	0.3		
$\phi D$	4.3		5.2
D			
d	1.0		1.7
E	3.2		4.2
e		2.54	
e1		1.27	
L	12.7		
L1			2.0

