

EVVOSEMI[®]

THINK CHANGE DO



ESD



TVS



MOS



LDO



Diode



Sensor



DC-DC

Product Specification

▶ Domestic	Part Number	MJD44H11 / MJD45H11
▶ Overseas	Part Number	MJD44H11 / MJD45H11
▶ Equivalent	Part Number	MJD44H11 / MJD45H11

EV is the abbreviation of name EVVO

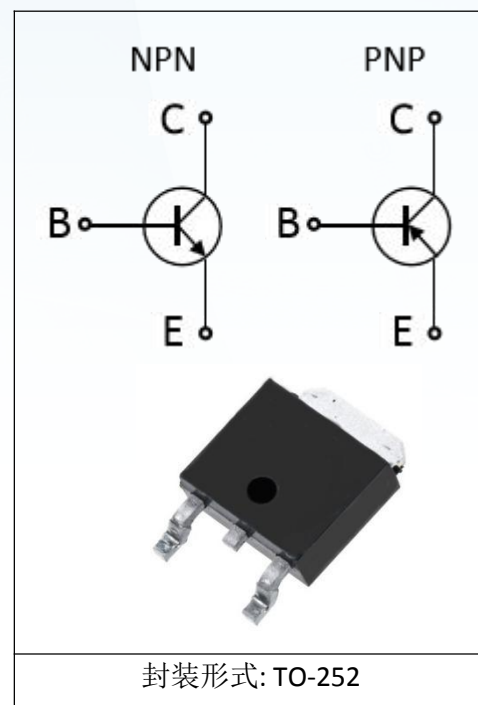
MJD45H11(PNP) 硅-双极型外延平面 NPN-PNP 配对功率放大晶体管
MJD44H11(NPN)

特点与应用:

- 中的输出电流: $I_c=8A$
- 中的击穿电压: $V_{CEO} \geq 80V$
- 宽的工作区域: $1.8A/60V@1\text{ Second}$
- 优的频率特性: $f_T > 50MHz$
- 适用于高保真音频功率放大器前级推动

注意 1: 能够持续不断的负荷运行: 比如应用于高温度、高电压、大电流, 并适用于温度的大变化等。

注意 2: 在以下的操作环境下功率晶体管的可靠性可能会降低: 比如运用在最大的电流和最高的温度和电压等。



绝对最大额定参数值($T_c=25^\circ C$):

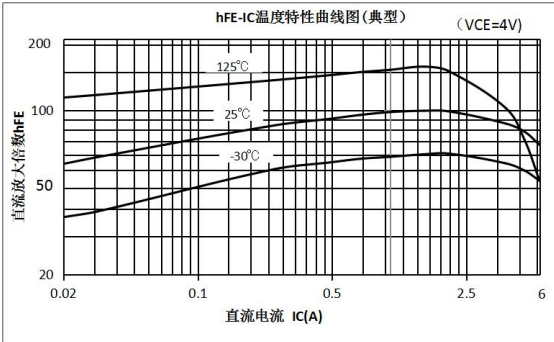
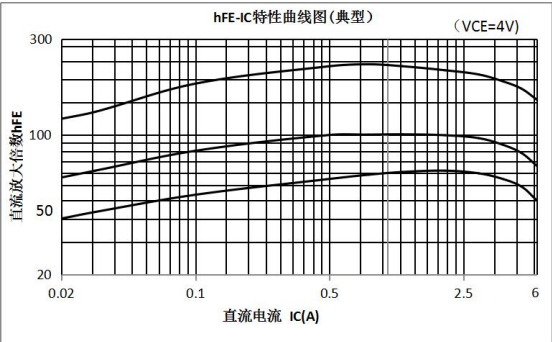
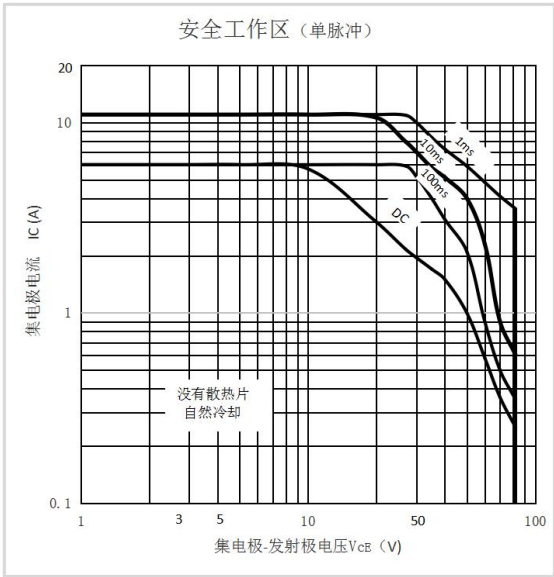
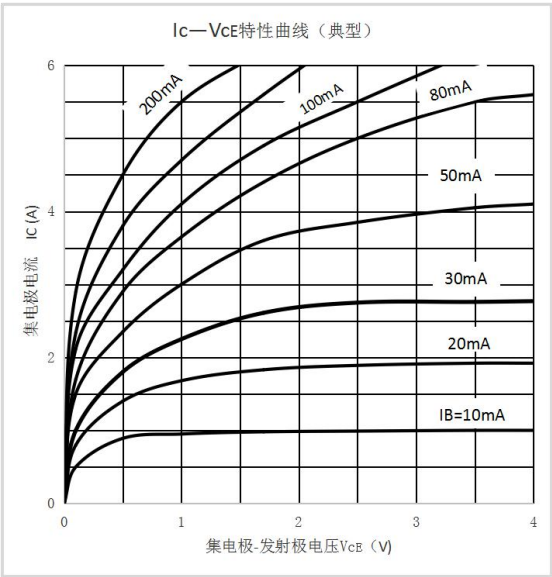
参数名称	符号	额定值	单位
集电极-发射极电压	V_{CBO}	80	V
集电极-基极电压	V_{CEO}	100	V
发射极-基极电压	V_{EBO}	5	V
集电极电流	I_c	8	A
基极电流	I_B	2	A
集电极功率损耗($T_c=25^\circ C$)	P_c	30	W
接点温度	T_j	150	$^\circ C$
存储温度范围	T_{STG}	-55~150	$^\circ C$

电参数 ($T_c=25^\circ C$):

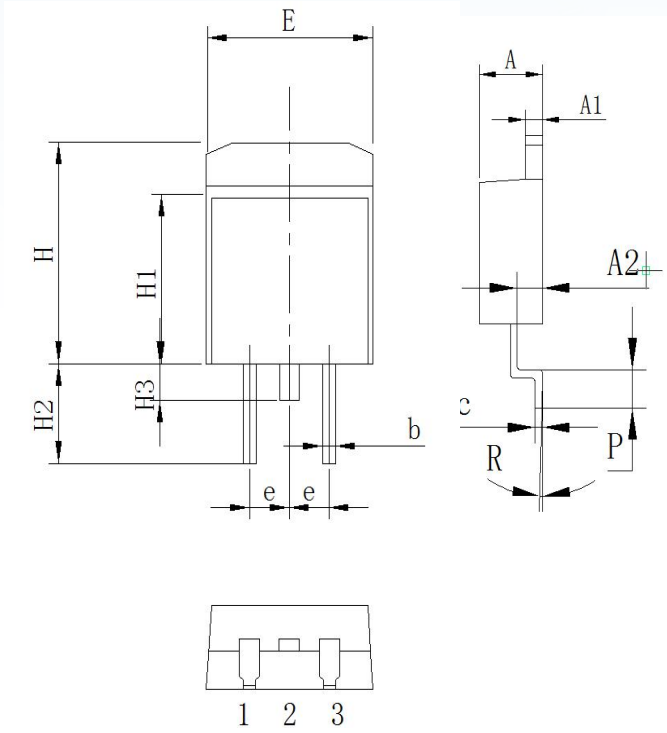
参数名称	参数	测试条件	最小值	典型值	最大值	单位
集电极-基极击穿漏电	I_{CBO}	$V_{CB}=60V; I_E=0$			50	μA
发射极-基极击穿漏电	I_{EBO}	$V_{EB}=5V; I_C=0$			50	μA
集电极-发射极击穿电压	$V_{(BR)CEO}$	$I_C=5mA, I_B=0$	80			V
直流放大增益	h_{FE}	$V_{CE}=1V; I_C=4A;$	40			
集电极-发射极饱和电压	$V_{CE(sat)}$	$I_C=8A; I_B=0.4A$			1.0	V
基极-发射极电压	V_{BE}	$V_{CE}=4V; I_C=8A$			1.8	V
特征频率	f_T	$V_{CE}=5V; I_C=1A$	50			MHz

参数	参数说明	典型值	条件
$R_{\theta JC}$	结到管壳温度	0.30	$^{\circ}C/W$

典型特征



封装信息：TO-252 封装



Symbol	单位 mm		
	Min	Nom	Max
A	2.20	2.30	2.40
A1	0.48	0.52	0.56
A2	1.00	1.2	1.40
b	0.65	0.75	0.85
c	0.45	0.5	0.55
e	2.19	2.29	2.39
E	6.40	6.70	7.00
H	6.65	6.85	7.05
H1	5.25	5.45	5.65
H2	2.70	2.90	3.10
H3	0.8	1.0	1.2
R	0°	3°	6°
P	1.35	1.55	1.75

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