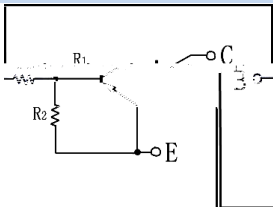


Silicon PNP transistor in a SOT-23 Plastic Package.

With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process.

Switching, inverter circuit, interface circuit and driver circuit applications.

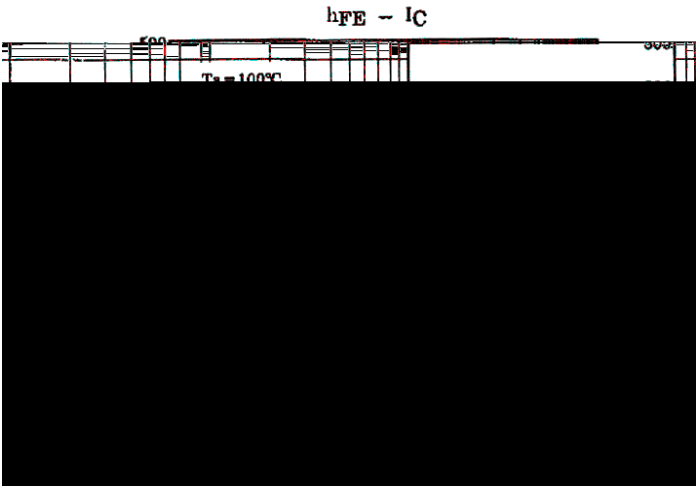
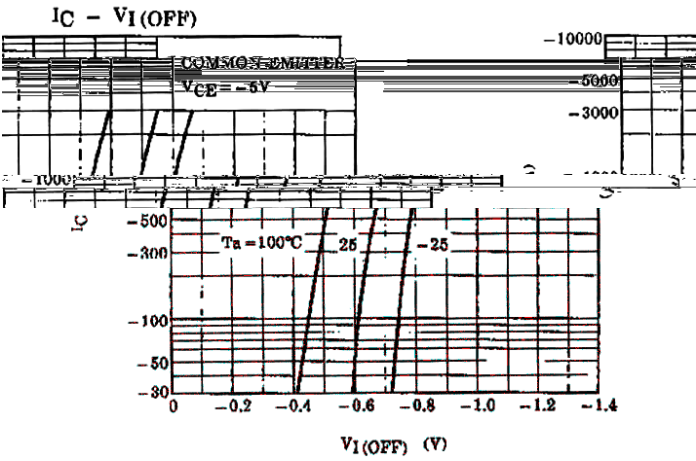
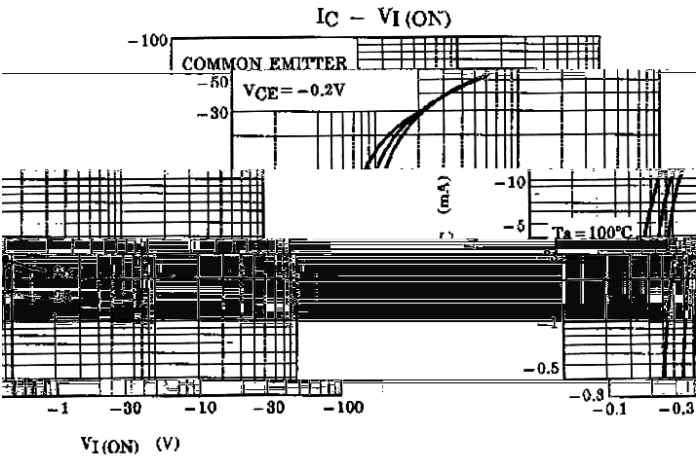


PIN 1 Base PIN 2 Emitter PIN 3 Collector

h_{FE} Range	>80
Marking	HE32

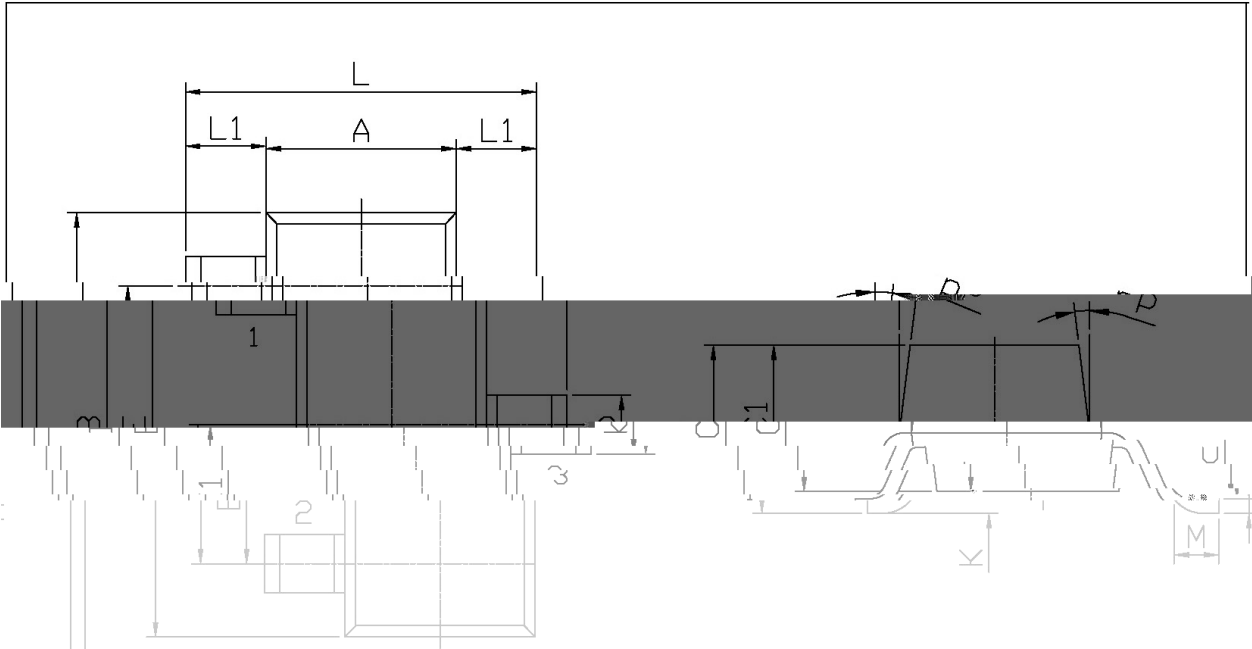
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-50	V
Collector to Emitter Voltage	V_{CEO}	-50	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current	I_C	-100	mA
Collector Power Dissipation	P_C	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Input Voltage	$V_{I(ON)}$	$V_{CE}=-0.2V$ $I_C=-5.0mA$	-0.6		-1.1	V
Input Voltage	$V_{I(OFF)}$	$V_{CE}=-5.0V$ $I_C=-0.1mA$	-0.5		-0.8	V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-50V$ $I_E=0$			-0.1	μA
Collector Cut-Off Current	I_{CEO}	$V_{CE}=-50V$ $I_B=0$			-0.5	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-5.0V$ $I_C=0$	-0.078		-0.145	mA
DC Current Gain	h_{FE}	$V_{CE}=-5.0V$ $I_C=-10mA$	80			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-5.0mA$ $I_B=-0.25mA$		-0.1	-0.3	V
Transition Frequency	f_T	$V_{CE}=-10V$ $I_C=-5.0mA$		200		MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=-10V$ $I_E=0mA$ $f=1.0MHz$		3.0	6.0	pF
Input Resistor	R_1		1.54	2.2	2.86	K Ω
Resistor ratio	R_2/R_1		19.4	21	23.7	

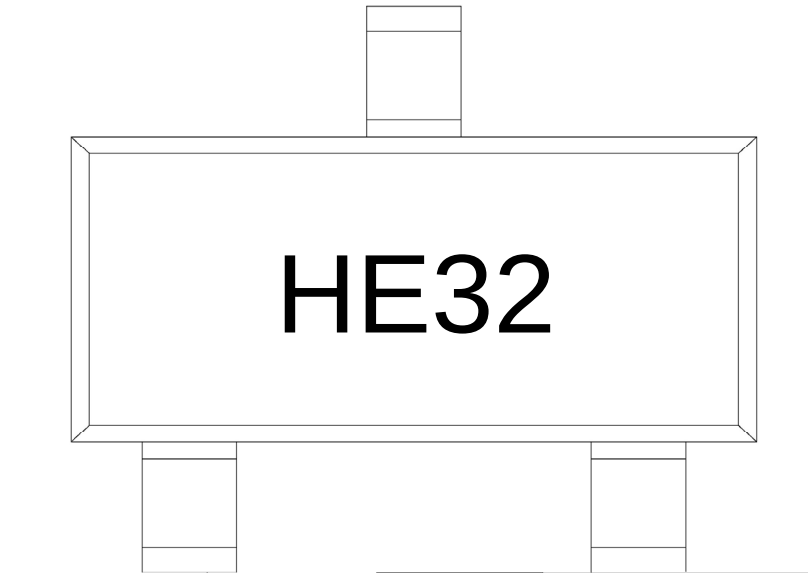


SOT-23

单位：mm



Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min.	Max.		Min.	Max.
L	2.2	2.7	C	1.30Max	
L1	0.45	0.65	C1	0.90	1.20
A	1.15	1.50	c	0.05	0.20
B	2.70	3.10	k	0	0.10
E	1.70	2.10	M	0.20MIN	
E1	0.85	1.05	α	7°	
b	0.35	0.55			



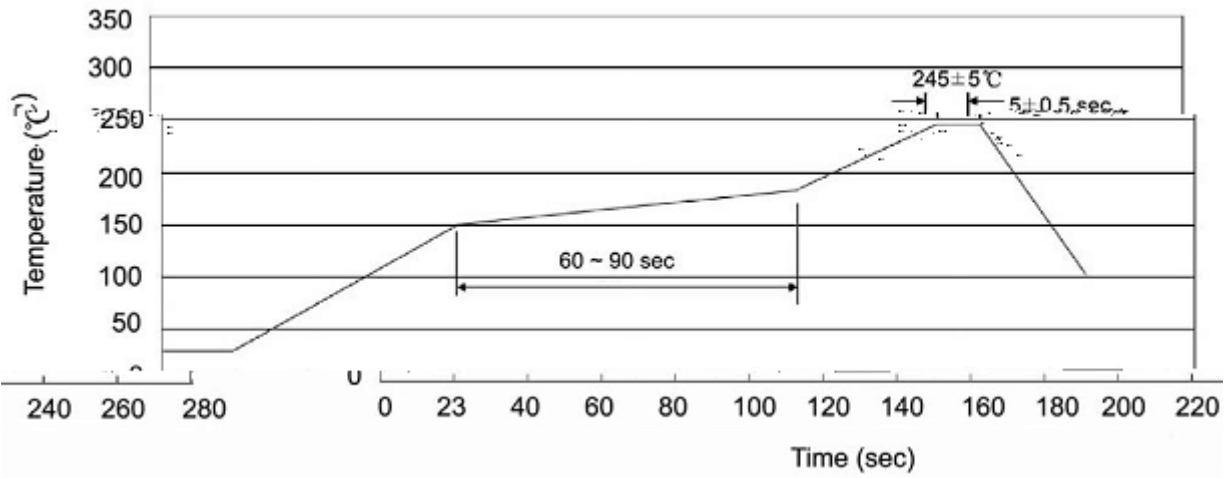
E32

Note:

Company Code

E32

Product Type Code



Note:

- 1

25 150

60 90sec;

1.Preheating:25~150 , Time:60~90sec.
- 2

245 5

5 0.5sec;

2.Peak Temp.:245 5 , Duration:5 0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

260 5

10 1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱