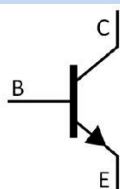


SOT-23 NPN Silicon NPN transistor in a SOT-23 Plastic Package.

, 2SA933M

Small base output capacitance, complementary pair with 2SA933M.

General purpose amplifier.

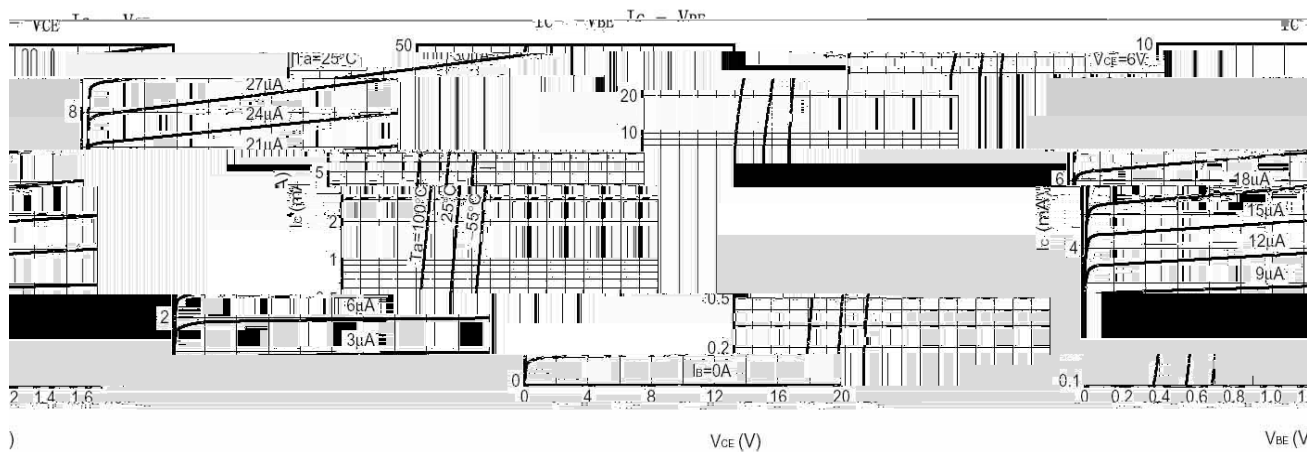
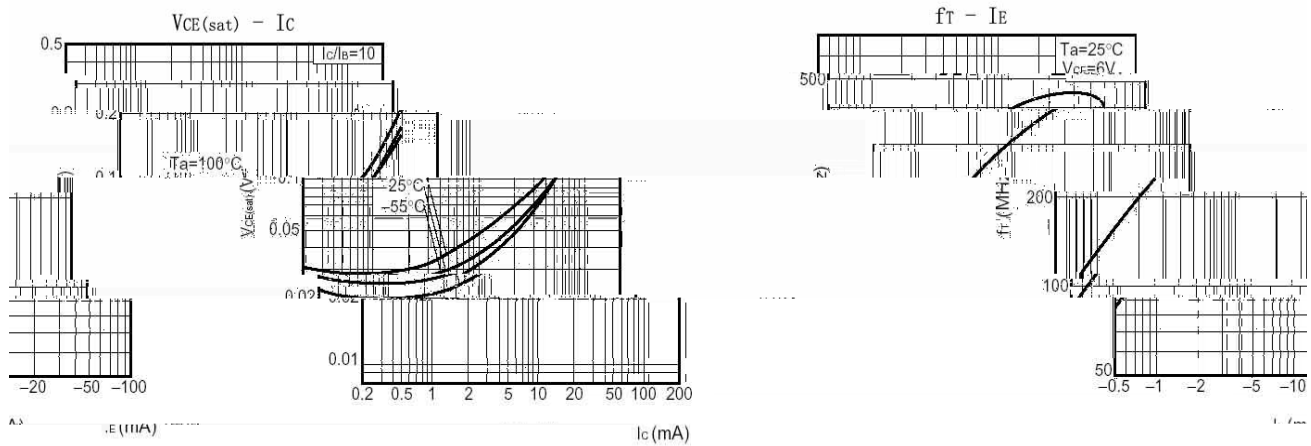
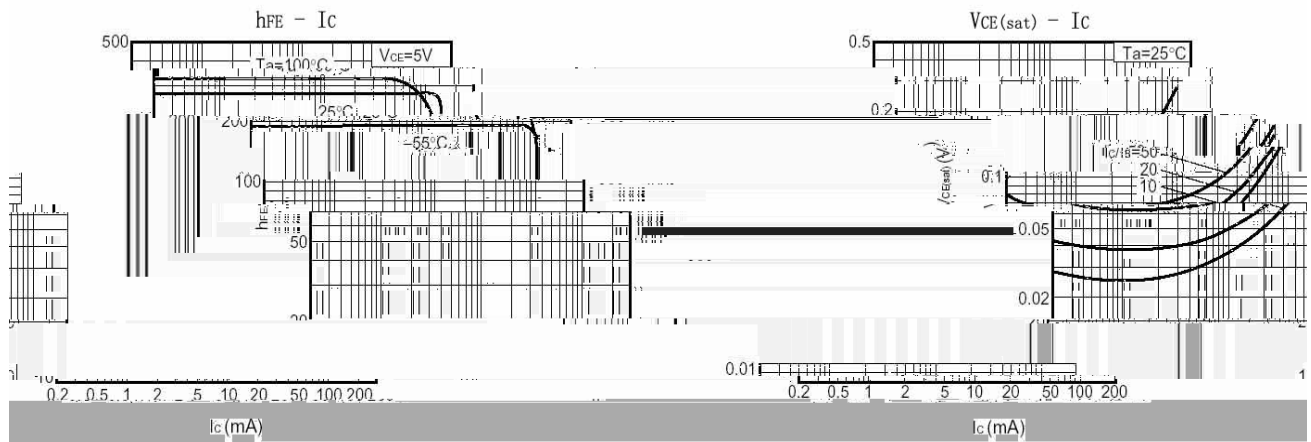


PIN1 Base PIN 2 Emitter PIN 3 Collector

h_{FE} Classifications Symbol	Q	R	S
h_{FE} Range	120 270	180 390	270 560
Marking	BQH	BRH	BSH

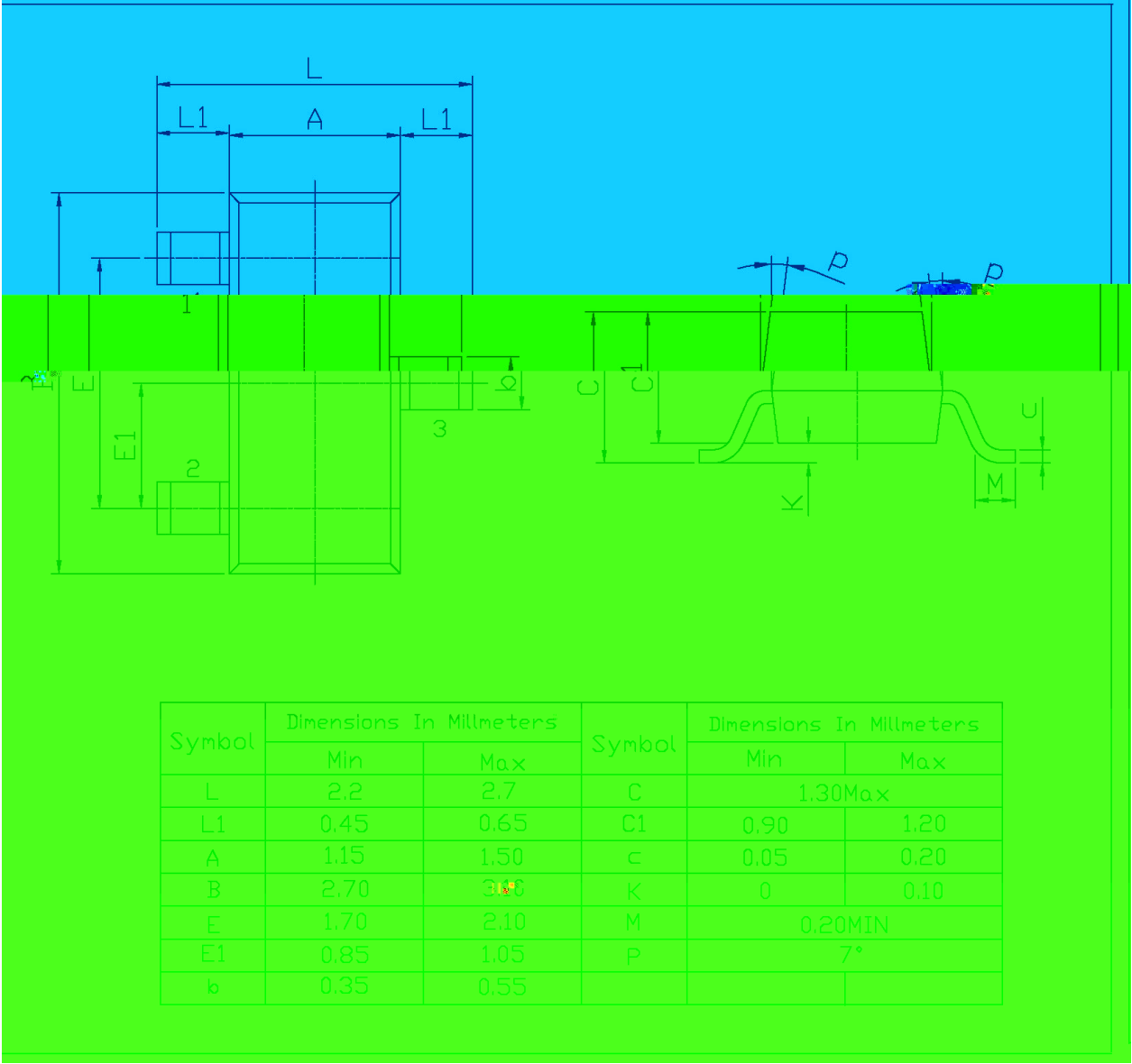
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current	I_C	150	mA
Collector Power Dissipation	P_C	250	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 150	°C

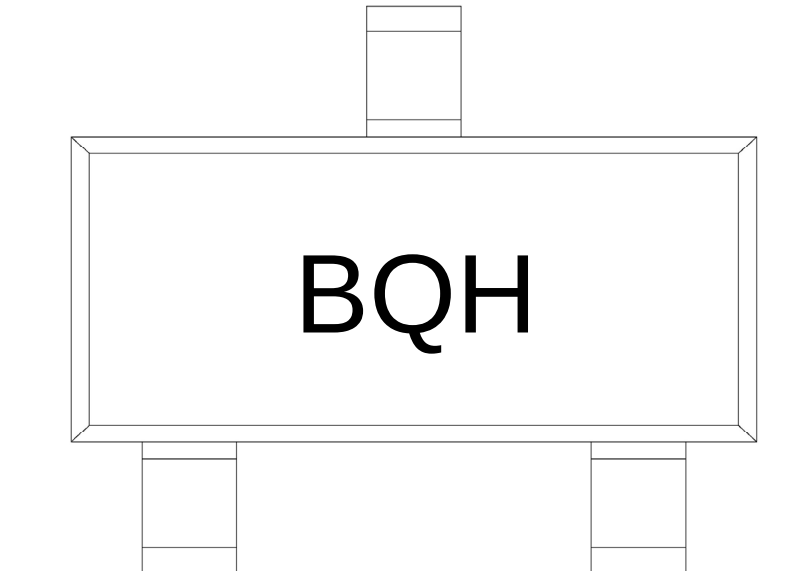
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	V_{CBO}	$I_C=50\text{ A}$ $I_E=0$	60			V
Collector-Emitter Breakdown Voltage	V_{CEO}	$I_C=1.0\text{mA}$ $I_B=0$	50			V
Emitter-Base Breakdown Voltage	V_{EBO}	$I_E=50\text{ A}$ $I_C=0$	7.0			V



SOT-23

单位: mm





B

Q: h_{FE}

H

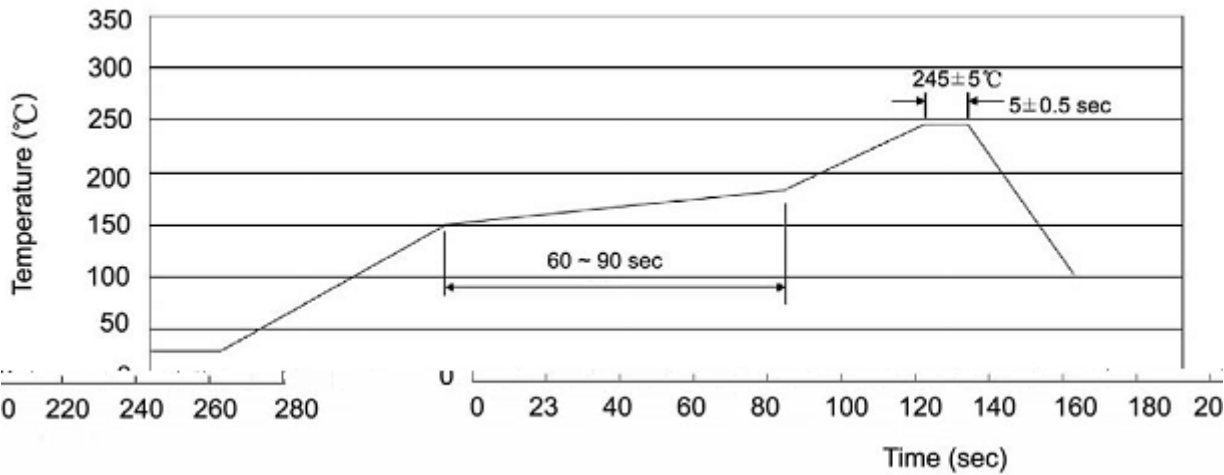
Note:

B: Product Type Code

Q: h_{FE} Classifications Symbol Code

H: Company Code.

Temperature Profile for IR Reflow Soldering(Pb-Free)



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