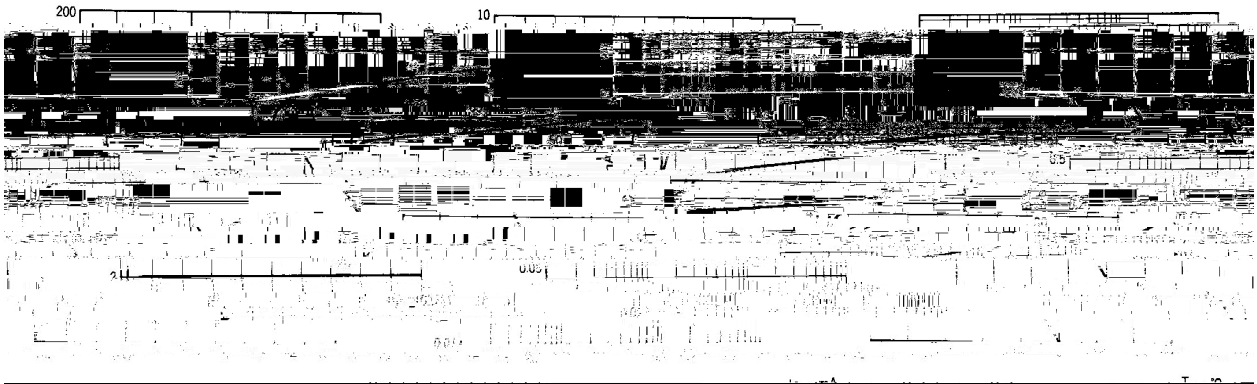
SOT-23 NPN Silicon NPN transistor in

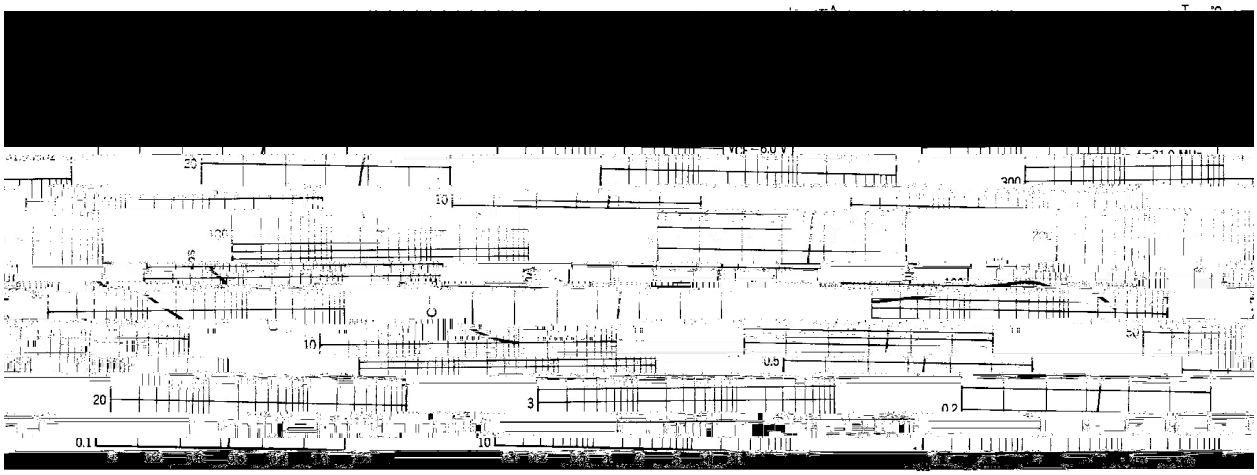
Parameter	Symbol	Rating	Unit

PT – Ta



IC – VCE

VBE(sat), VCE(sat) – IC

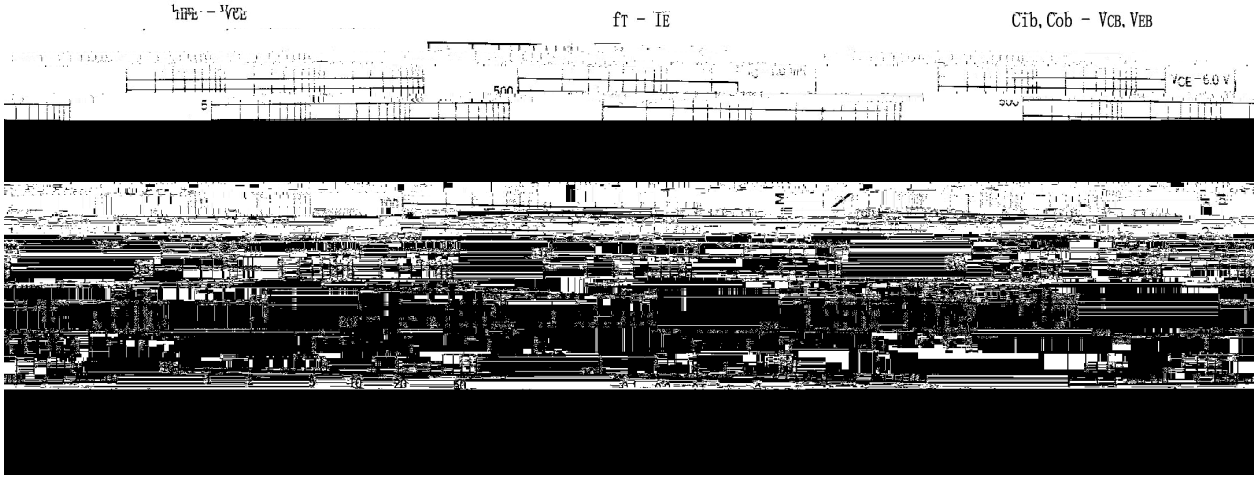


VBE – V

IC – mA

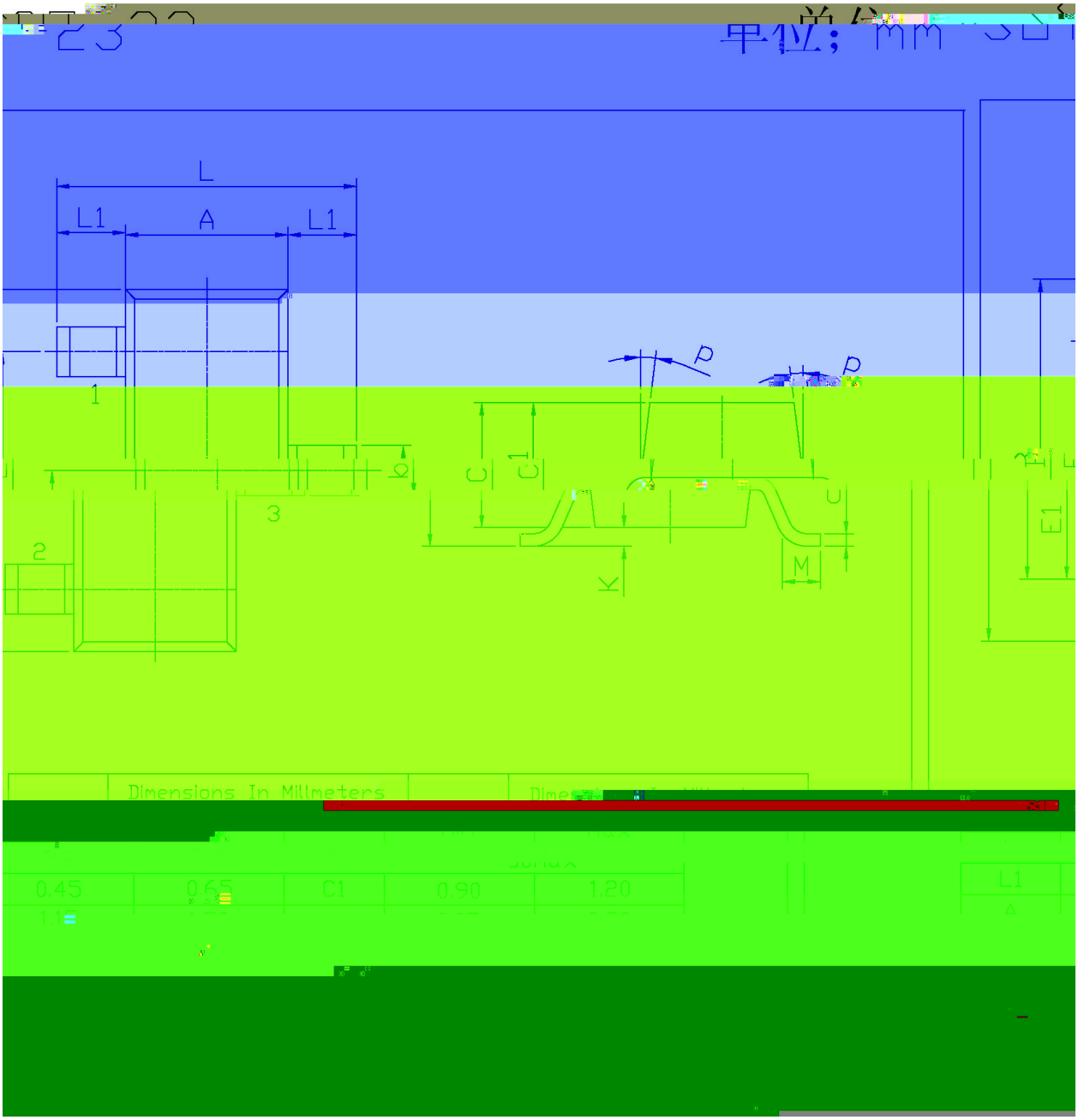
IE – mA

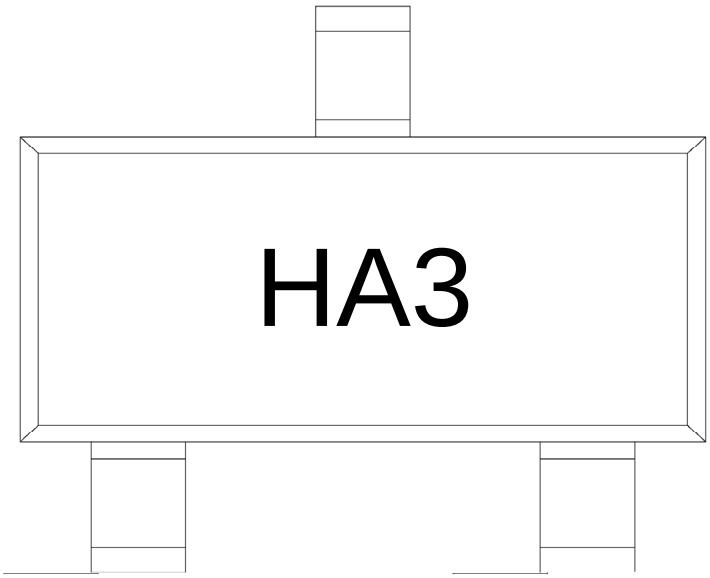
hFE – VCE



fT – IE

Cib, Cob – VCB, VEB


L
L1
A
L1
1
2
3
P
P
C
C1
M
K
E1
Dimensions In Millmeters
0.45
0.65
C1
0.90
1.20
L1
A



H

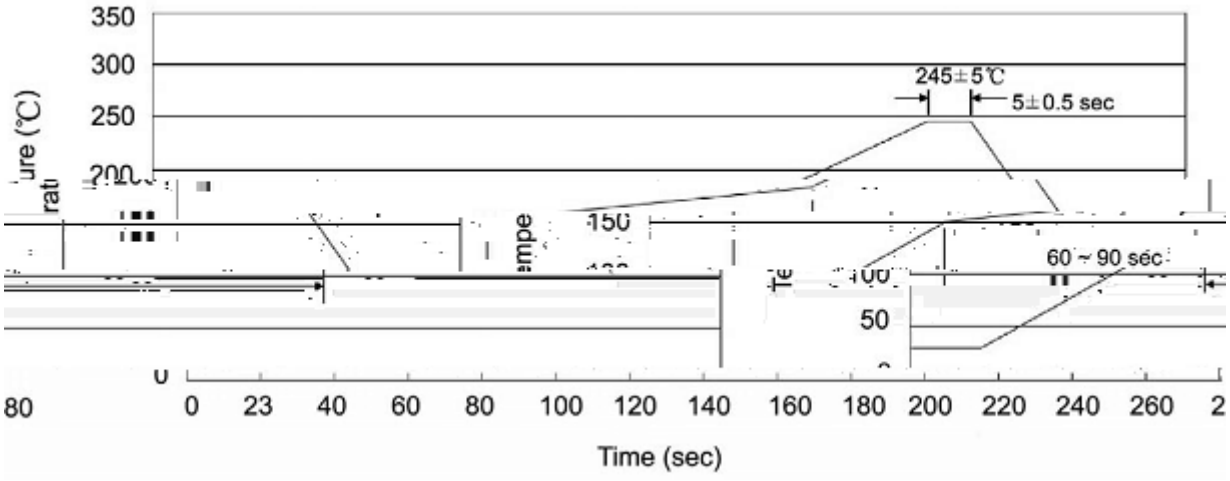
A3

Note:

H: Company Code

A3: Product Type 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)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT-23	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205