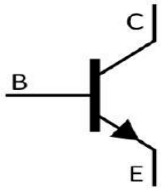
SOT-23 NPN Silicon NPN transistor in a SOT-23 Plastic Package.

, BC327M

High current, complementary pair with BC327M.

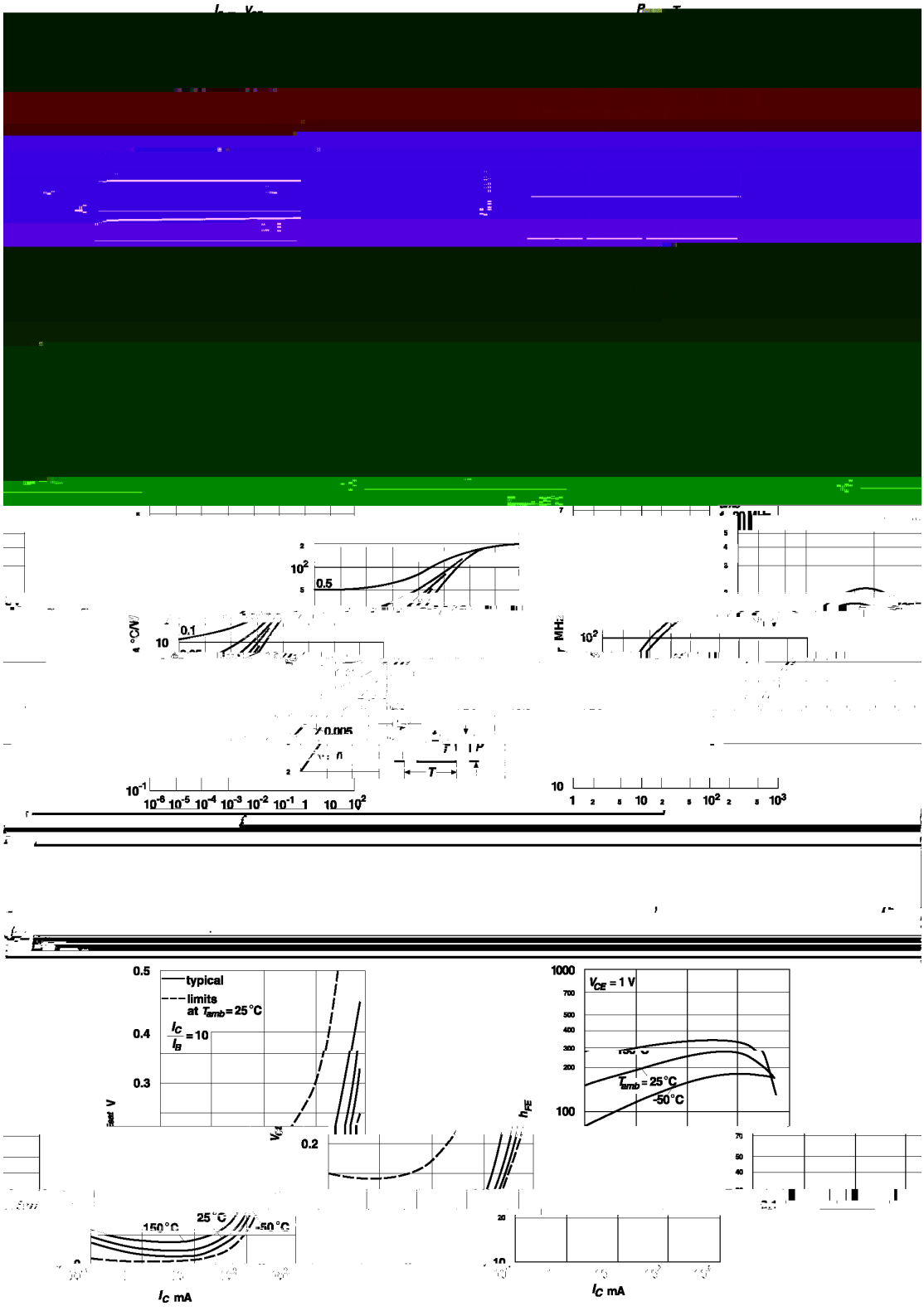
General power amplifier and switching.

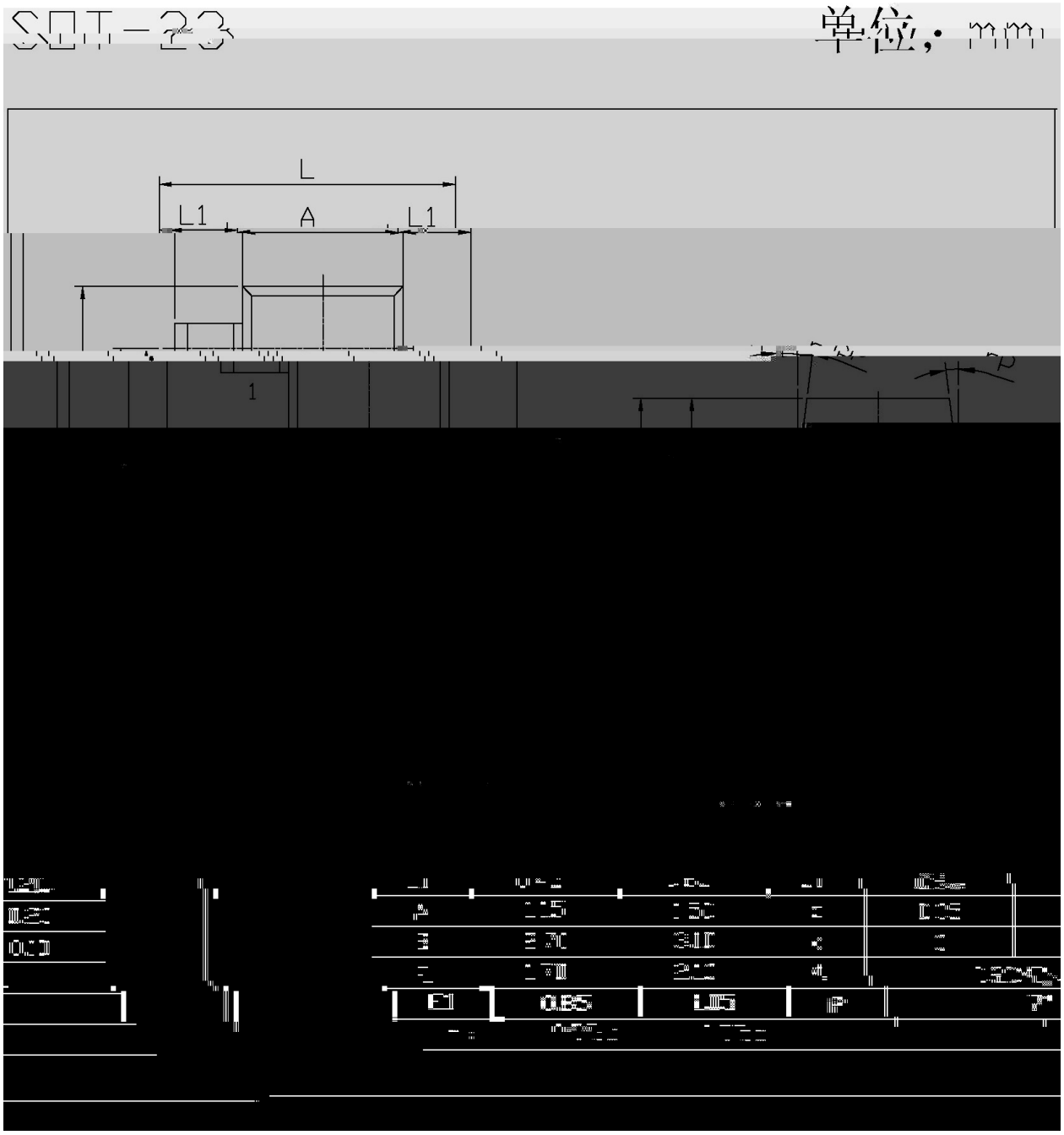


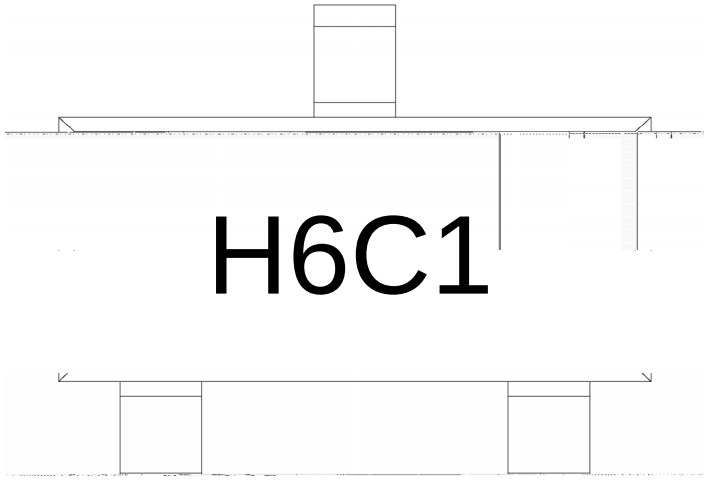
PIN1 Base PIN 2 Emitter PIN 3 Collector

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	45	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	800	mA
Collector Emitter - Continuous	I_E	-800	mA
Collector Power Dissipation	P_C	300	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit


typical
limits at T_{amb} = 25 °C
I_C/I_B = 10
V_{CE} = 1 V
T_{amb} = 25 °C
-50 °C
150 °C
25 °C
-50 °C
I_C mA
I_C mA


SOT-23
单位：mm
L
L1
A
L1
1



H

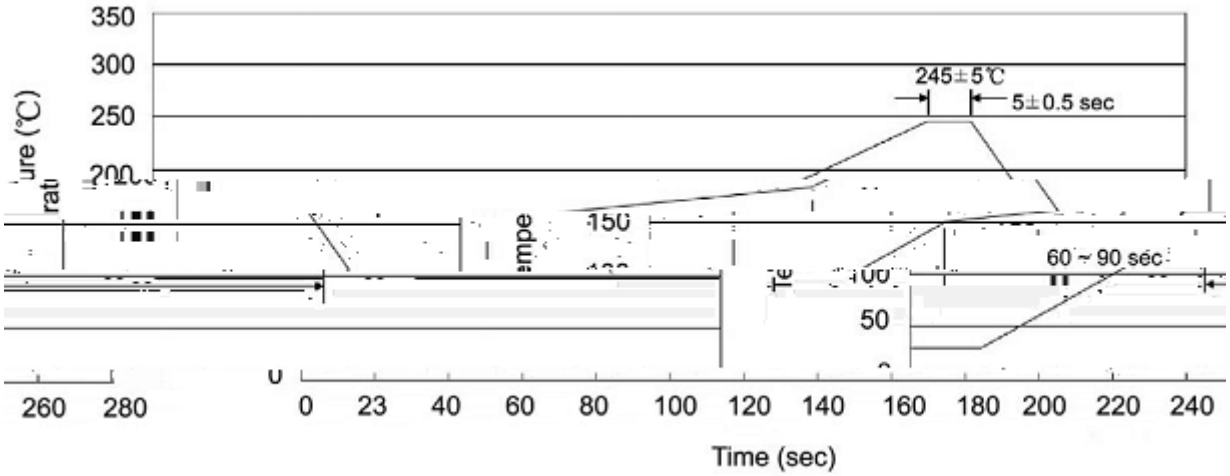
6C1

Note:

H: Company Code.

6C1: Product Type Code.

Temperature Profile for IR Reflow Soldering(Pb-Free)



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.

Note:

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 ρ ×8	180×120×180	390×385×205