/ Descriptions

Silicon NPN transistor in a SOT-23 Plastic Package.

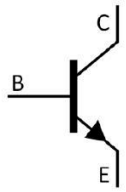
/ Features

Large current capacity and wide AOS.

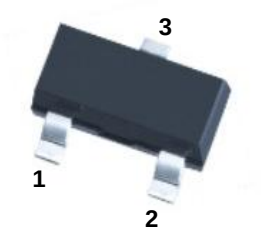
/ Applications

Capable of being used in the low frequency to high frequency range.

/ Equivalent Circuit



/ Pinning



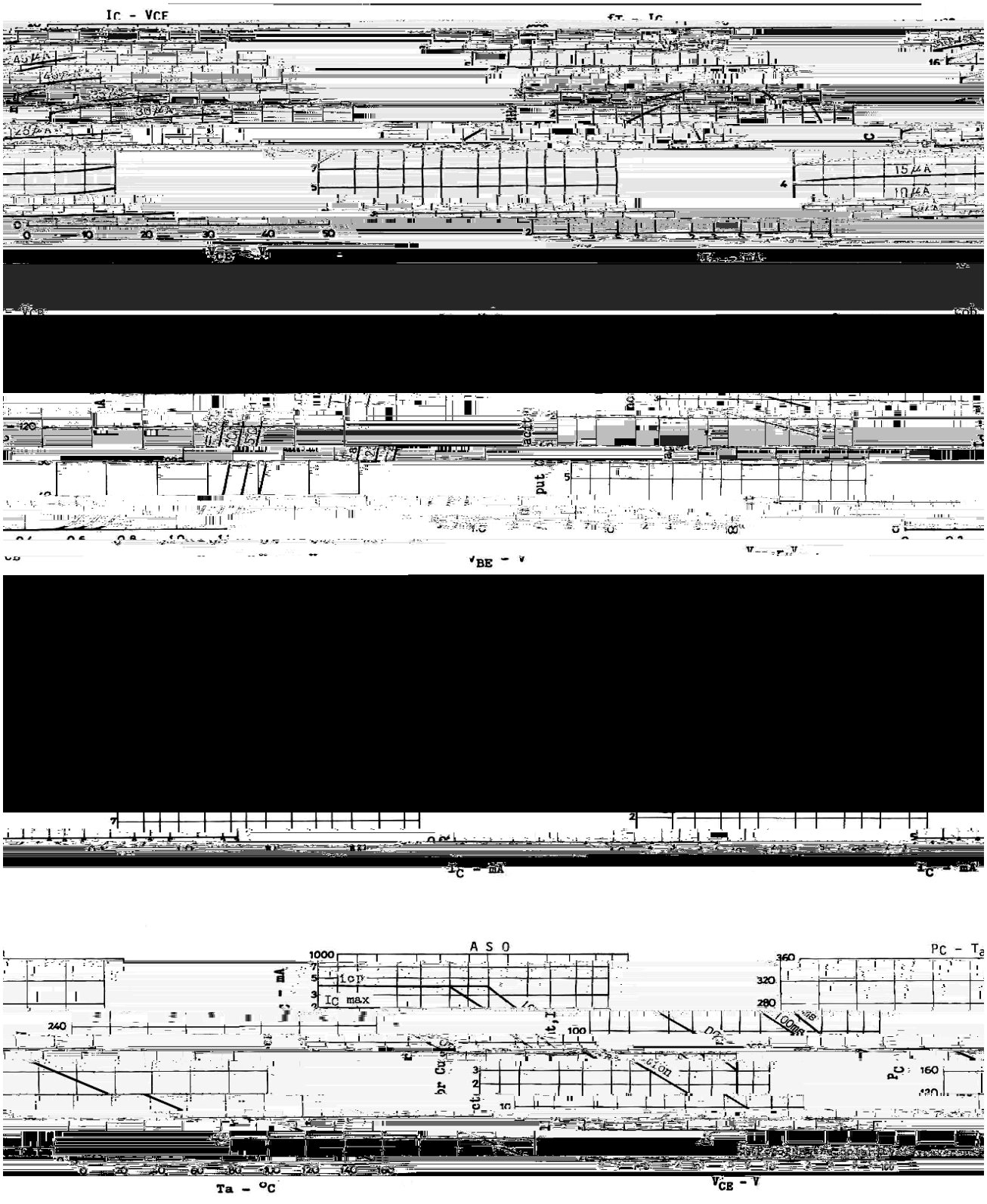
PIN1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

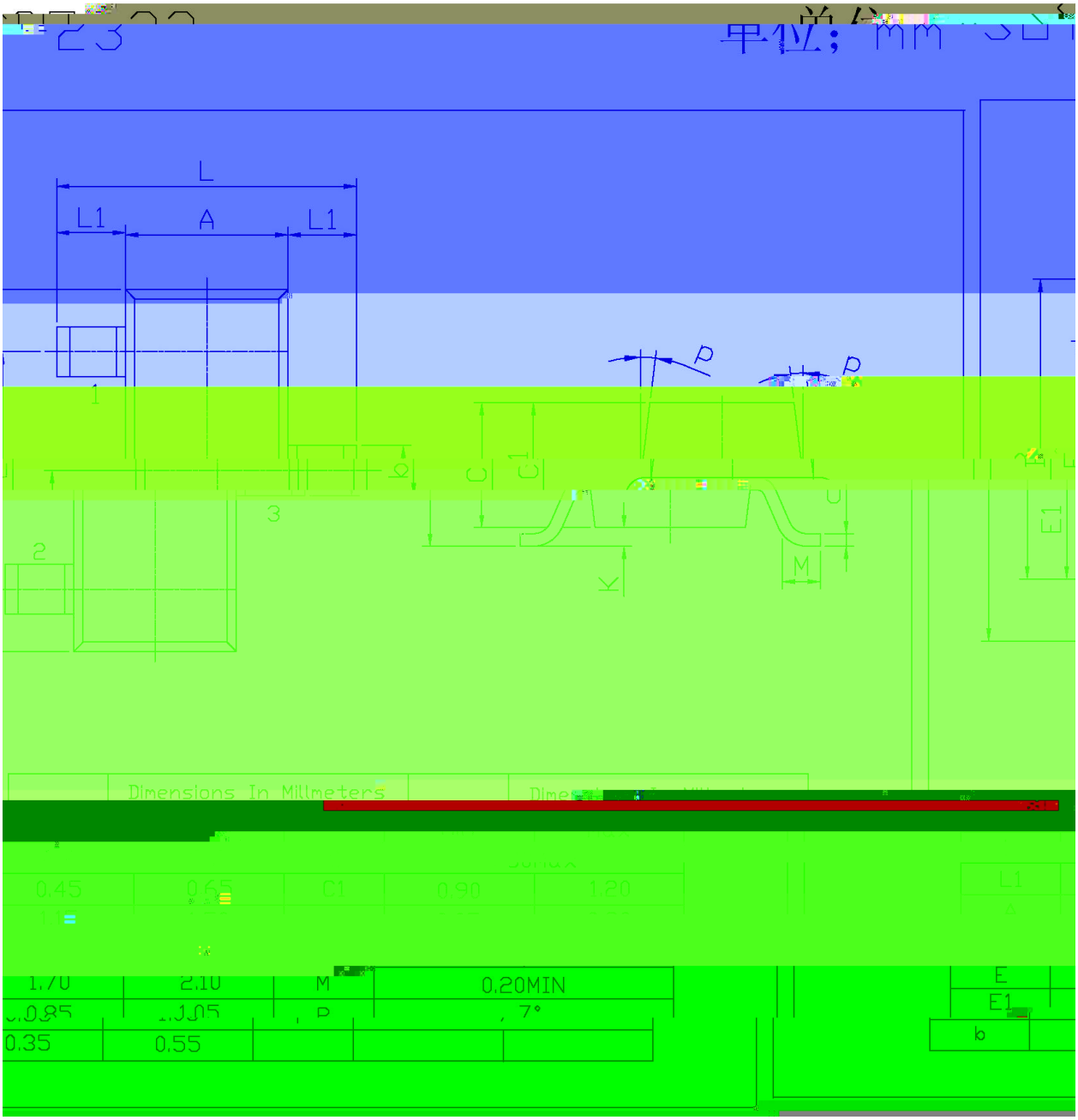
h_{FE} Classifications Symbol	R	S	T	U	V
h_{FE} Range	100 200	140 280	200 400	280 560	400 800
Marking	H30R	H30S	H30T	H30U	H30V

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V

/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions

H30R

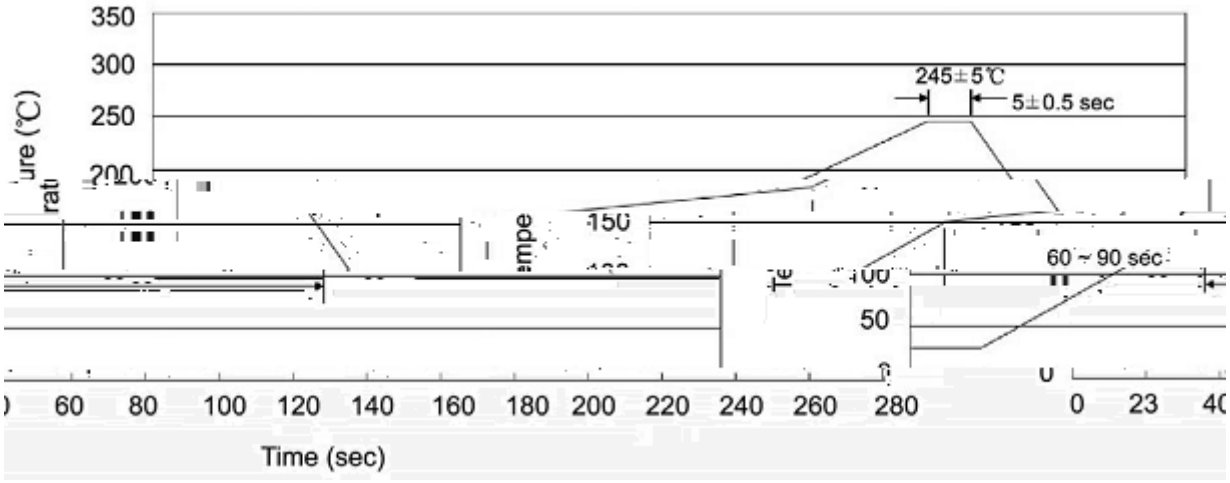
Note:

Company Code

Product Type Code

h_{FE} Classifications Symbol 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.

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension		(unit mm^3)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOT-23	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

/ Notices