

/ Descriptions

VRW056

QSQ

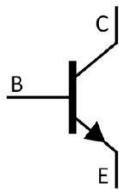
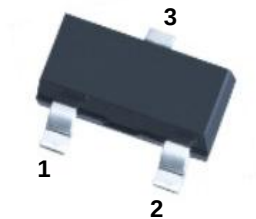
Silicon NPN transistor in a SOT-23 Plastic Package.

/ Features

Large current capacity and wide AOS.

/ Applications

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

/ Equivalent Circuit**/ Pinning**

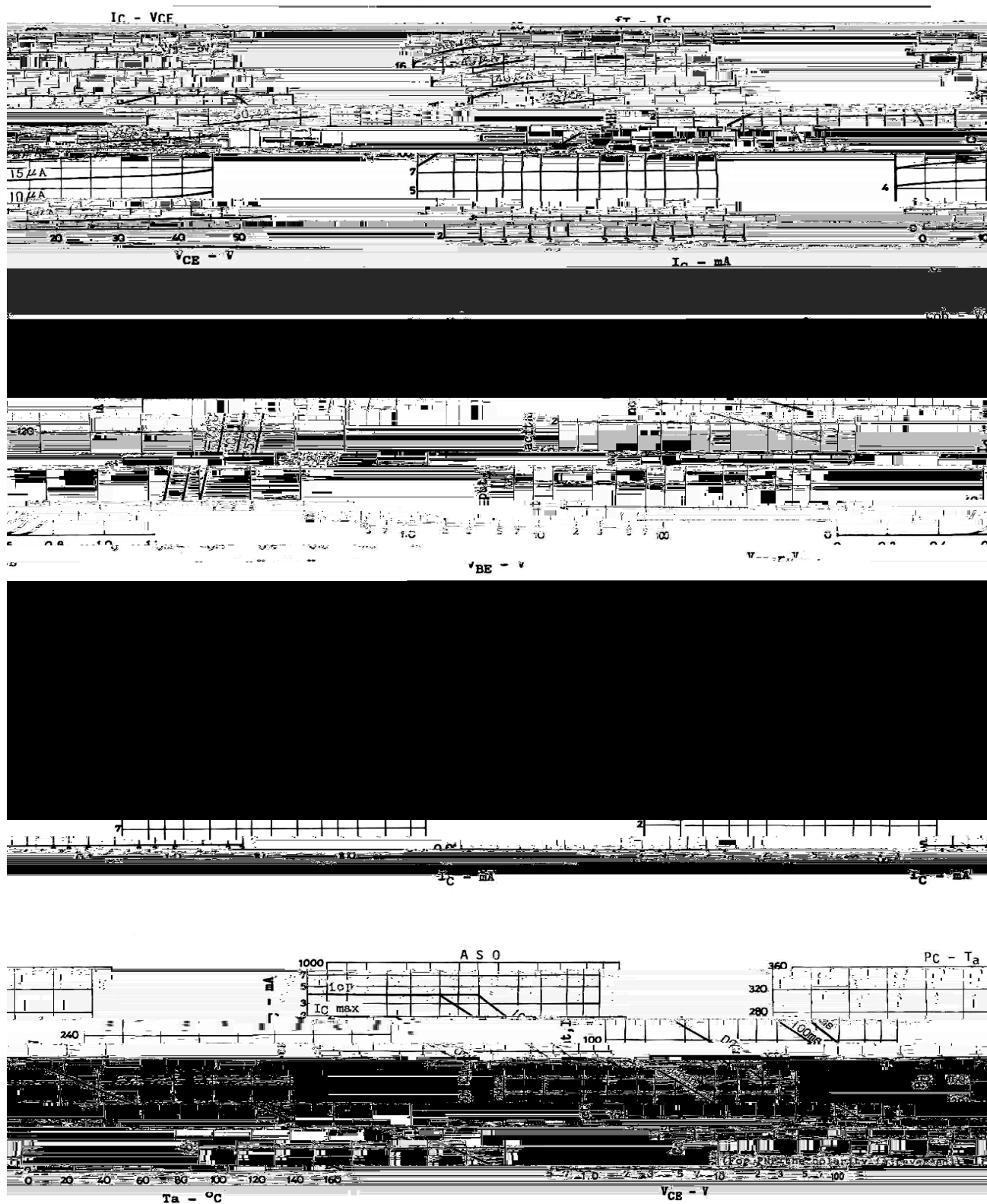
PIN1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

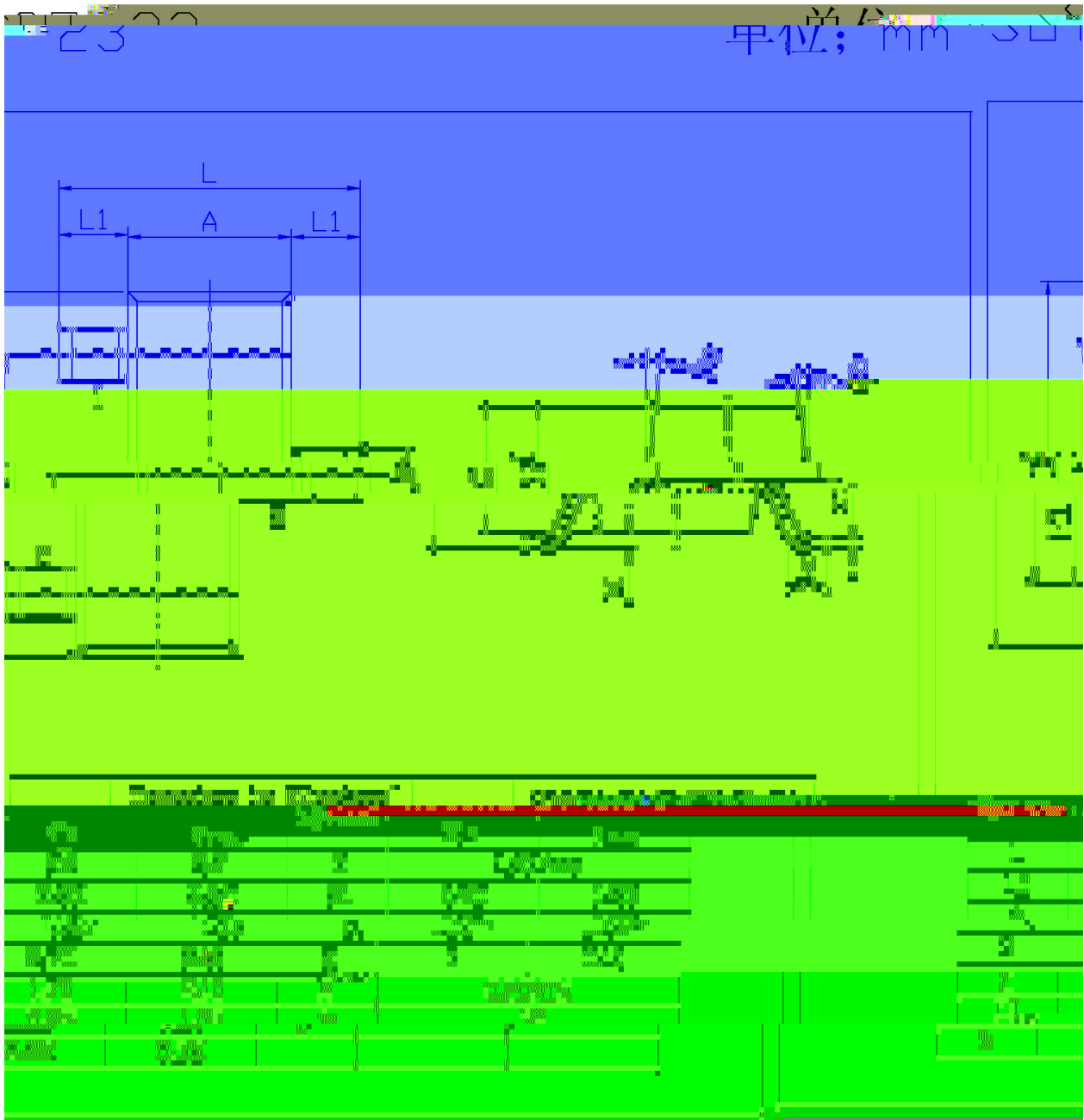
h_{FE} Classifications Symbol	R	S	T	U	V
h_{FE} Range	100 200	140 280	200 400	280 560	400 800
Marking	H30R	H30S	H30T	H30U	H30V

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

/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions

H30R

K

63

U

 k_{IH}

Note:

K

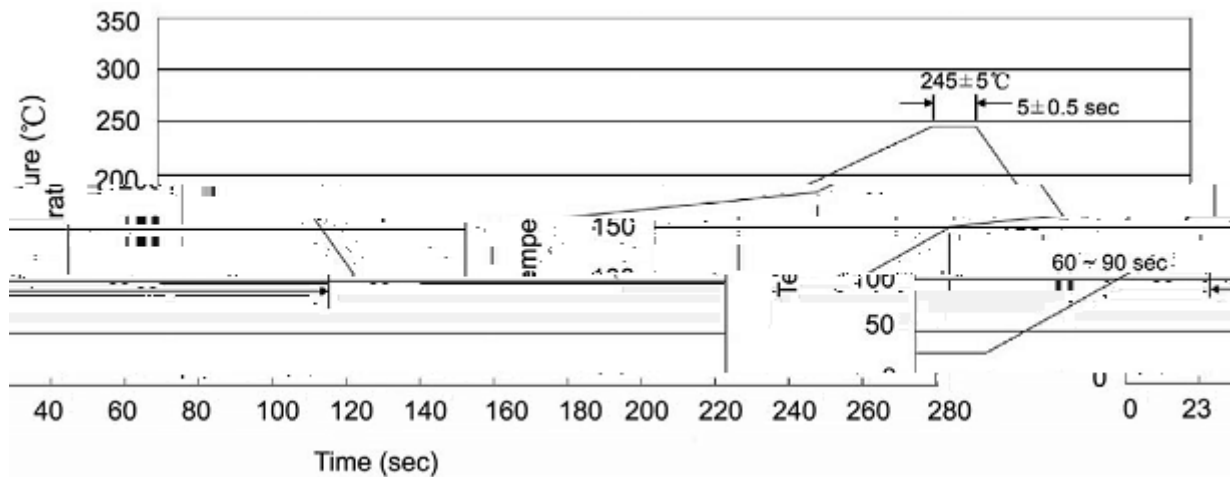
Company Code

63

Product Type Code

U

 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 ^{±0.5} | sec; | 2.Peak Temp.:245 ^{±5} %, Duration:5 ^{±0.5} sec. |
| 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