

/ Descriptions

VRW056 SQS Silicon PNP transistor in a SOT-23 Plastic Package.

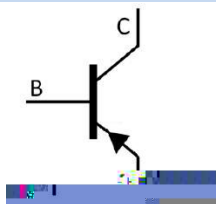
/ Features

Low $V_{CE(sat)}$, high current.

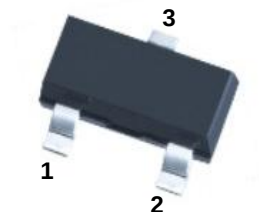
/ Applications

General purpose switching and muting, LCD back-lighting, supply line switching circuits.

/ Equivalent Circuit



/ Pinning



PIN 1 Base PIN 2 Emitter PIN 3 Collector

/ h_{FE} Classifications & Marking

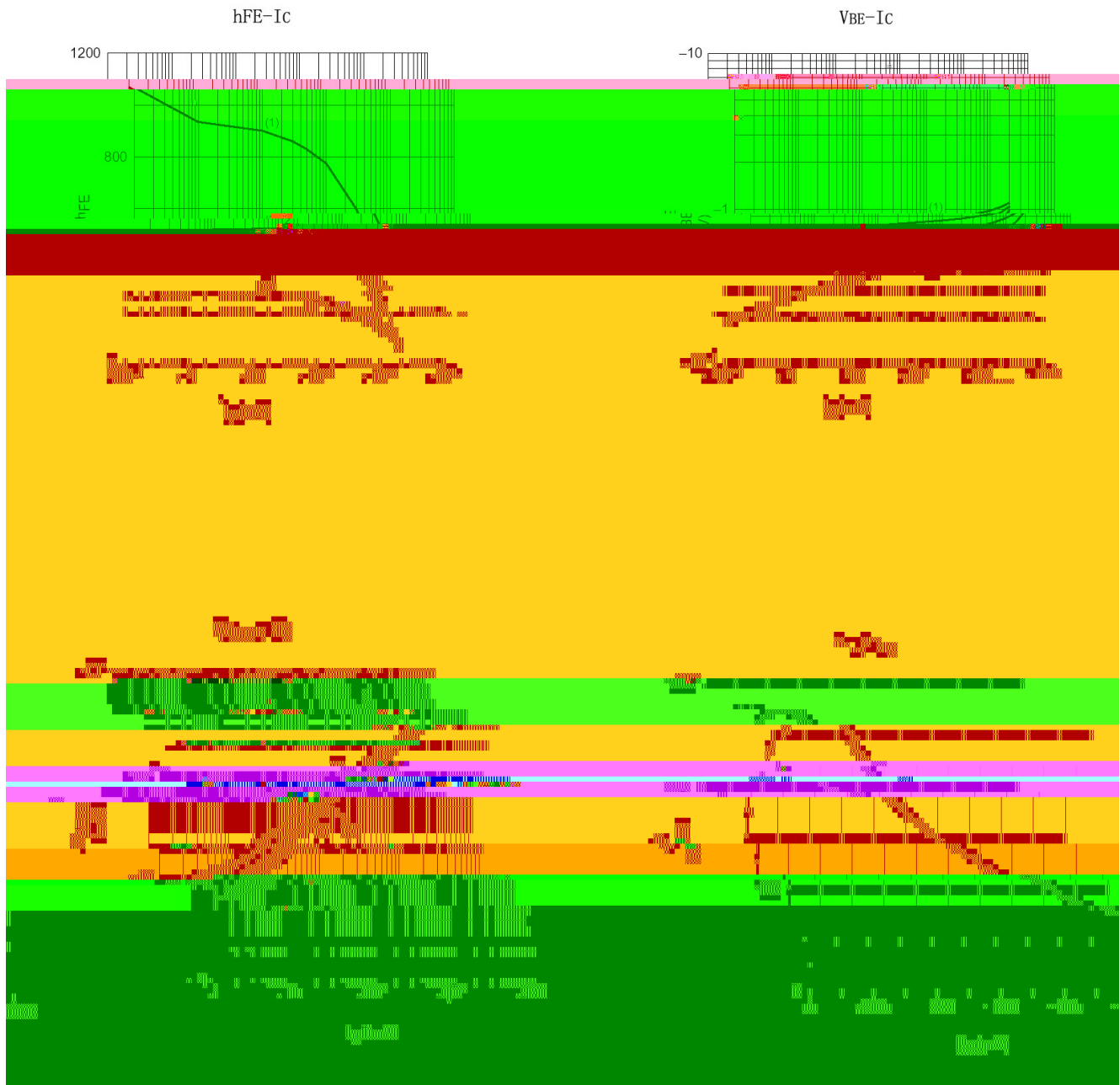
h_{FE} Range	300 800
Marking	HP2H

PBSS5140T

Rev.F Apr.-2017

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-40	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current	I_C	-1.0	A
peak collector current	I_{CM}	-2.0	A
peak base current	I		

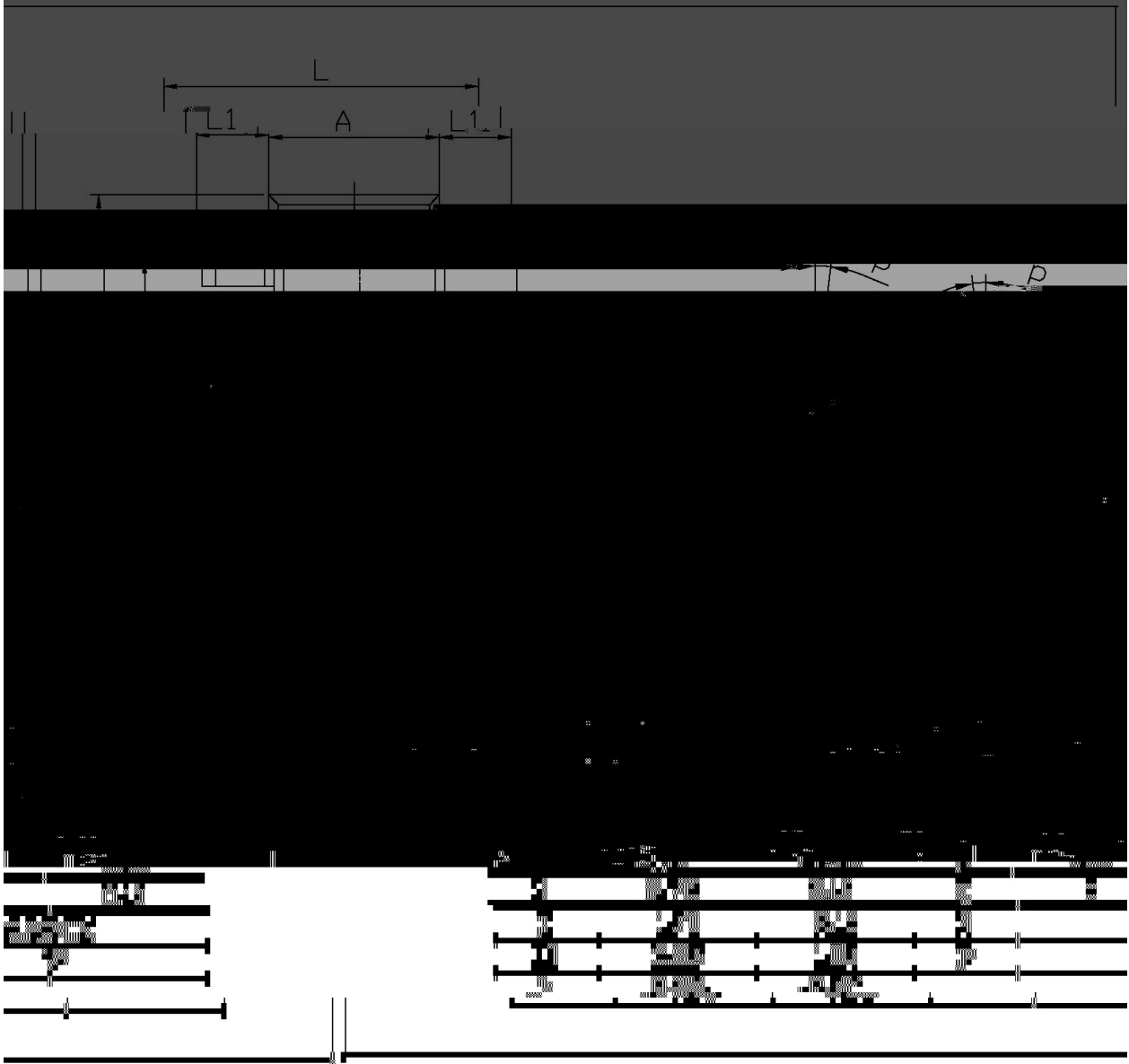
/ Electrical Characteristic Curve



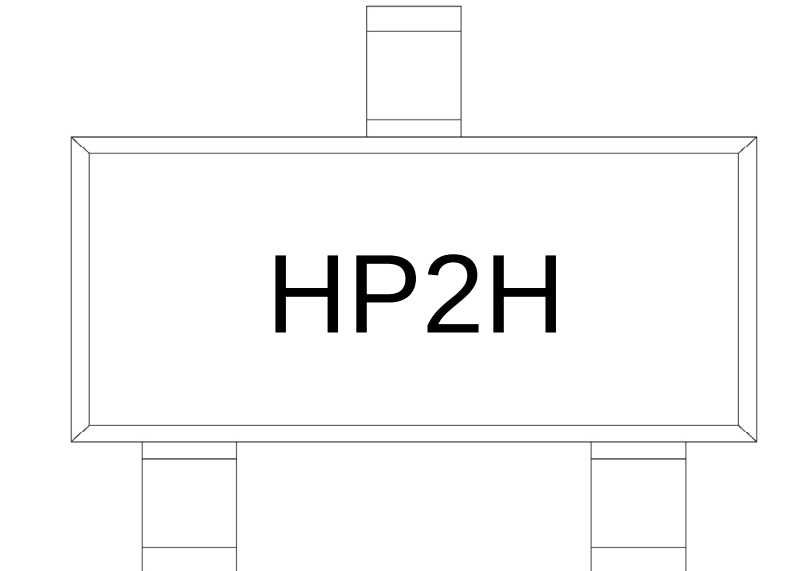
/ Package Dimensions

SOT 23

单位; mm



/ Marking Instructions



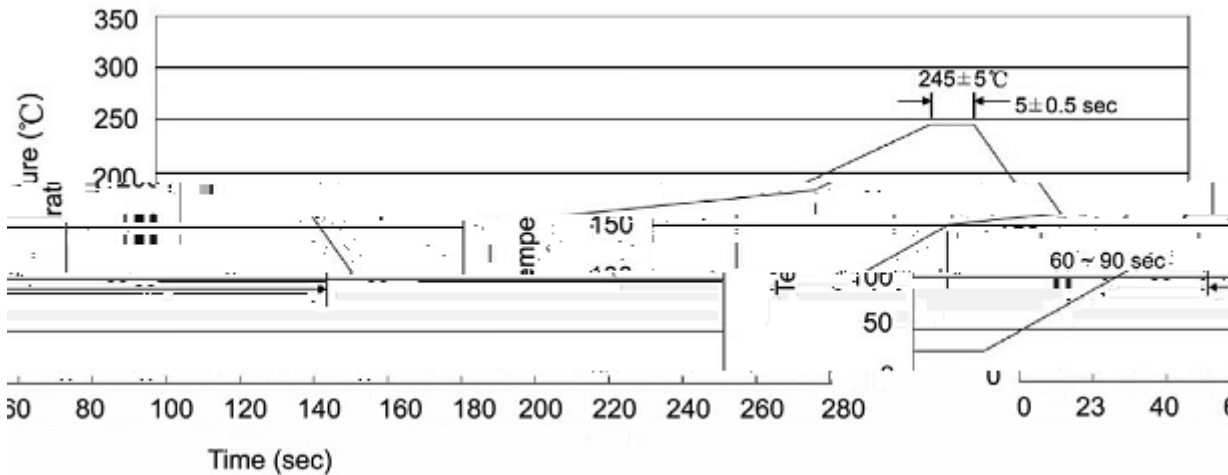
K

P2H

Note:

K Company Code

P2H Product Type

() / 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