/ Descriptions

VRW056 Ṃ Ṃ Ŀ QSQ Æ Ṁ ɥ s ǁ ˥ Silicon NPN transistor in a SOT

/ Features

ɔ ʁ ɪ ɔ ǁ ɪ ω̣ ʑ ɔ ɪ ʒ ɸ Ḥ ɪ ω̣ ʑ ɪ ớ Ḅ

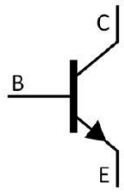
High voltage, high current, high h linearity.

/ Applications

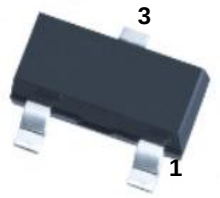
ʑ̂ ̂ ̂ ˝ ʊ̣ ˏ ɭ ω̣ ʑ

Audio frequency general purpose amplifier applications.

/ Equivalent Circuit



/ Pinning



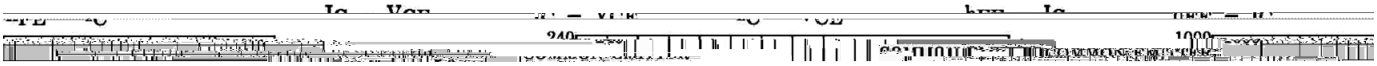
PIN1 χ Base PIN 2 χ Emitter PIN 3 χ Collector

/ h_{FE} Classifications & Marking

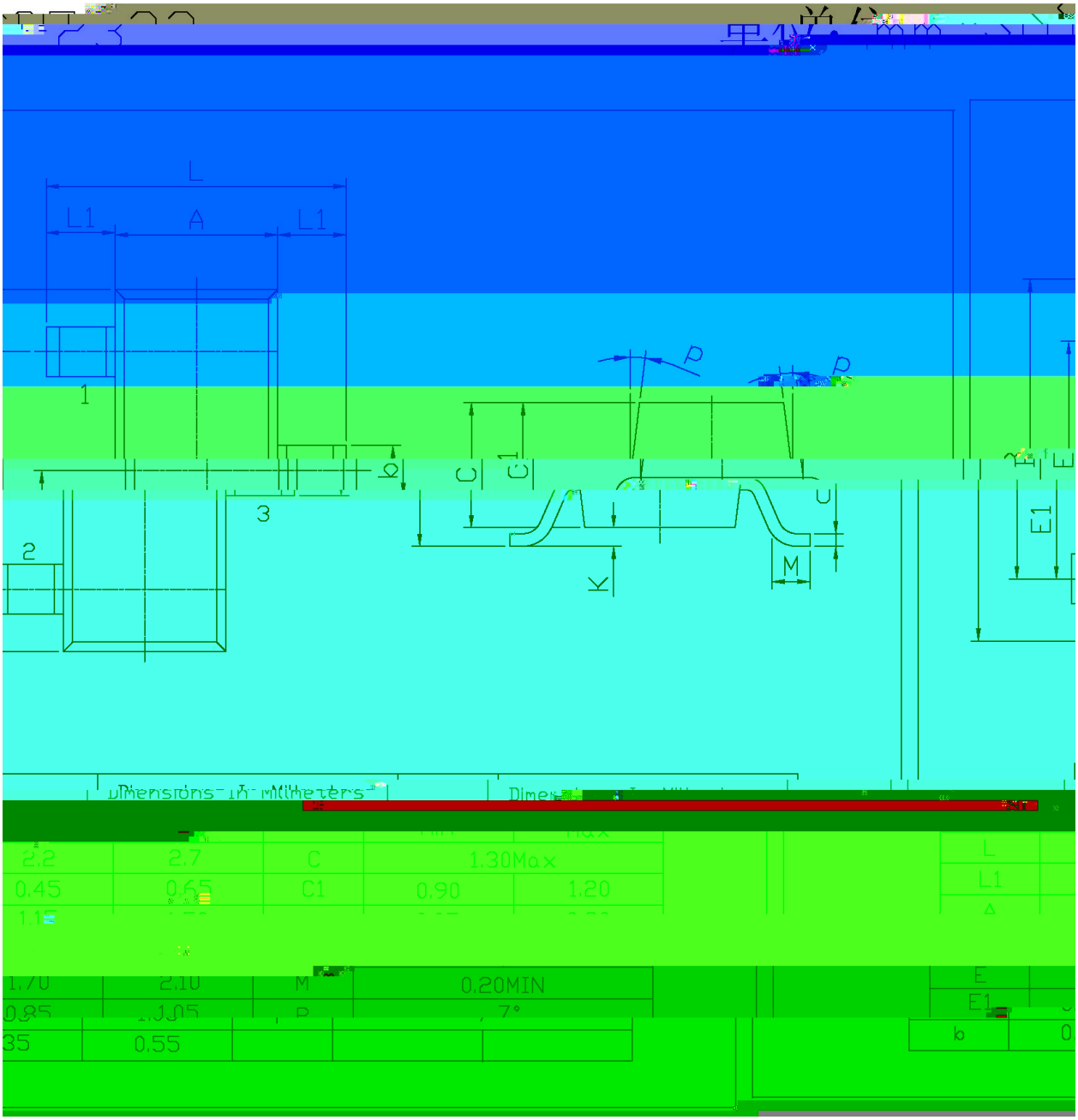
h_{FE} Classifications Symbol			O						
h_{FE} Range	70˙	140	120˙	240	200˙	400	350˙	700	
Marking HOY	HOLG	HLL							

v ˜Ω Parameter	˥ N Symbol	˜Ω Ö Rating	D Ĥ Unit
Collector to Base Voltage	V_{CBO}	60	V

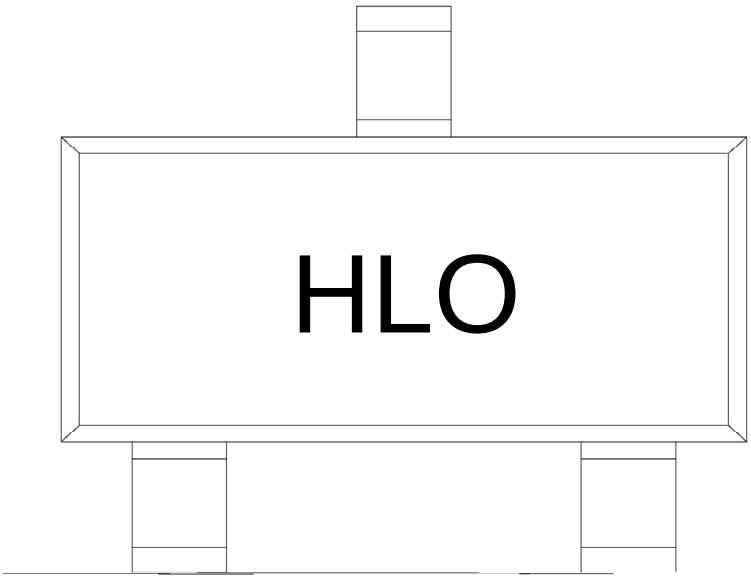
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



ب ˝ χ

K χ ⰼ ʒ ᴵ Ɒ

0 χ ⰼ ʒ ᴺ Ɒ

R χ ⰼ h_{FE} ⁶ ⱪ Ɒ

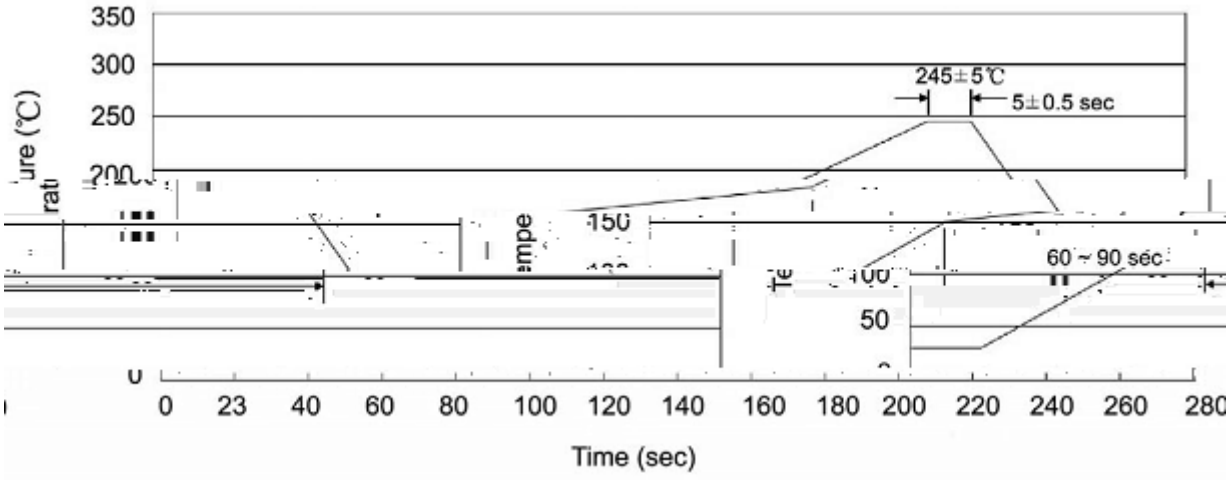
Note:

K χ Company Code

0 χ Product Type Code

R χ h_{FE} Classifications Symbol

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



ب ˝ χ

1 ℓ ♬ □ ỷ 25 Ḱ 150 ɫ ı `H ʒ 60 Ḱ 90sec;

2 Š Ö □ ỷ 245 ° 5 ɫ ı `H ʒ ˈY ʌ ʁ 5 ° 0.5sec;

3 ì ˙ ˥ ˛ ɔ ɷ ỷ ʁ 2 Ḱ 10 ɫ /sec.

Note:

1.Preheating:25~150 ɫ , Time:60~90sec.

2.Peak Temp.:245 ° 5 ɫ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɫ /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 260 ° 5 ɫ `H ʒ χ 10 ° 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

ɔ` γ ɫ / 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

/ Notices