/ Descriptions

VRW056 ṂṂ Ŀ SQS ᴁṀ ɥ s ǁ ᒉ Silicon PNP transistor in a SOT-23 Plastic Package.

/ Features

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Low saturation voltage, excellent h_{FE} linearity and high h_{FE}.

[redacted]

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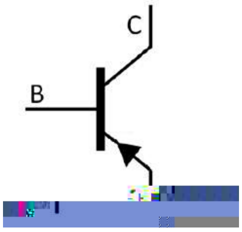
Output stage of audio amplifier, voltage regulator, DC-DC converter and relay driver.



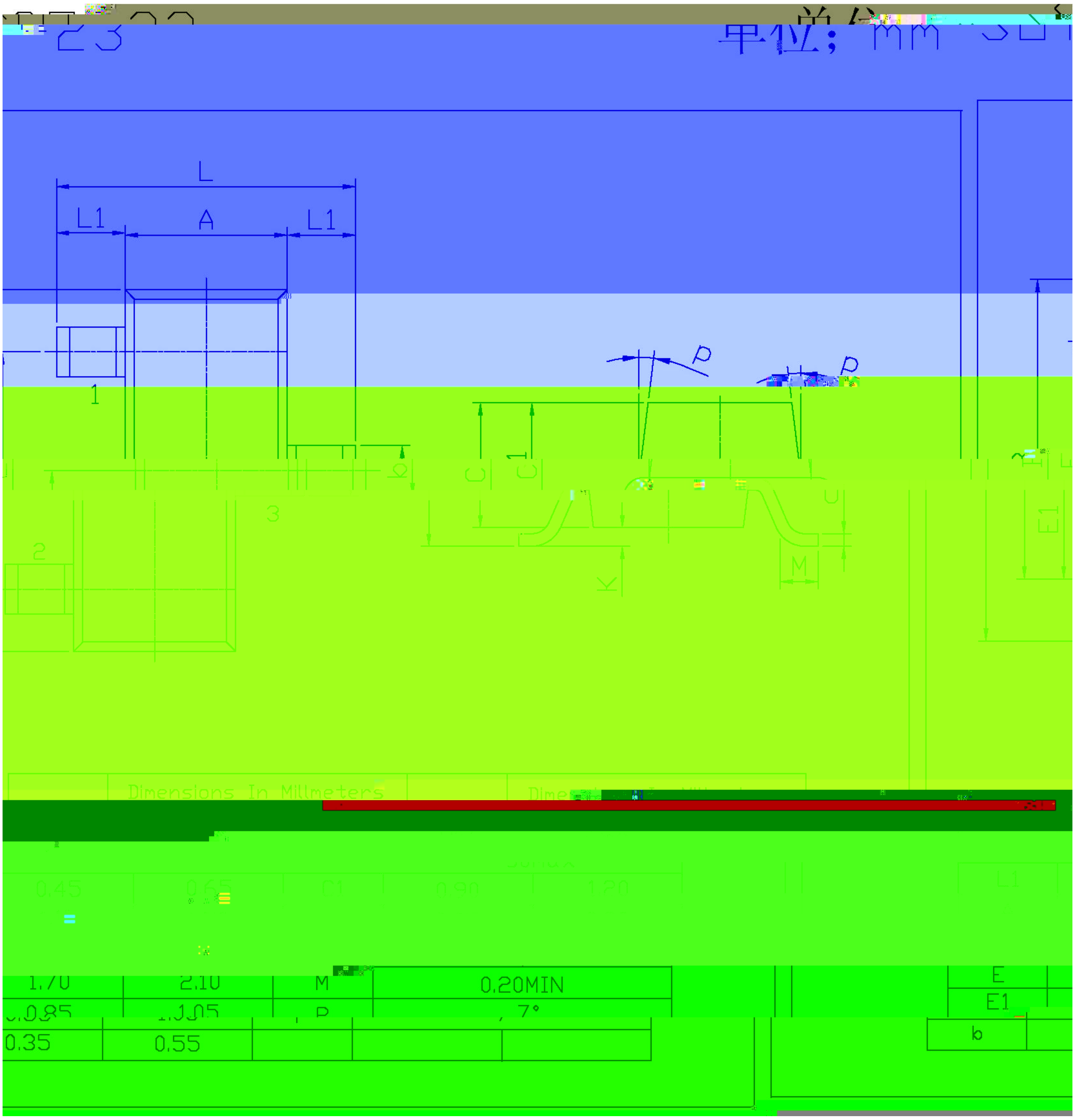
PIN1 χ Base　　PIN 2 χ Emitter　　PIN 3 χ Collector

/ h_{FE} Classifications & Marking

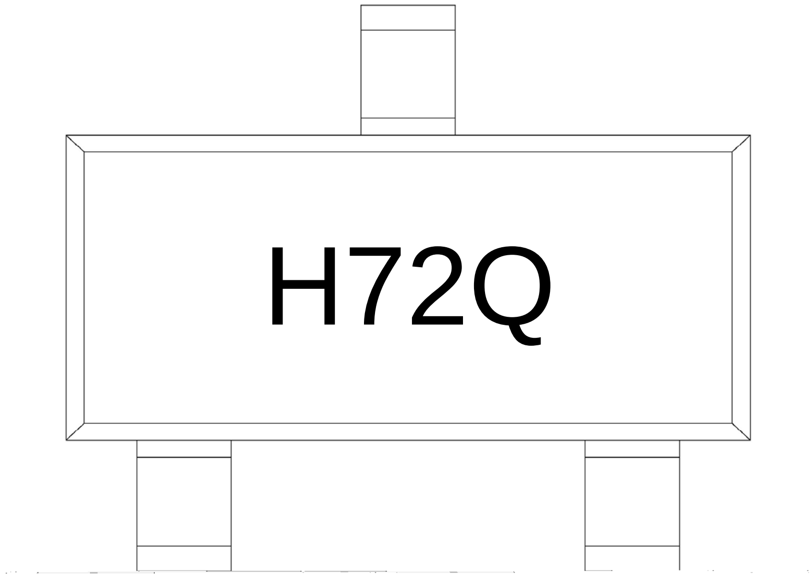
v Ώ Parameter	ɏ ᴺ Symbol	Ώ Ө Rating	ᴅ Ɥ Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-30	V
Emitter to Base Voltage	V_{EBO}	-5	V
Collector Current - DC	I_C	-3	A
Collector Current - Pulse	I_{CP}	-7	A
Collector Power Dissipation	P_C	350	mW
Junction Temperature	T_j	150	ɨ
Storage Temperature Range	T_{stg}	-55 Ḱ 150	ɨ

v Ώ Parameter	ɏ ᴺ Symbol	╜ ⁏ ↑ Ʈ Test Conditions	ῳ ṇ Ө Min	Ɛ ʒ Ө Typ	ῳ ⁼ Ө Max	ᴅ Ɥ Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-100μA I_E=0	-40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-1.0mA I_B=0	-30			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=-100μA I_C=0	-5			V

/ Package Dimensions



/ Marking Instructions



ب ˝ χ

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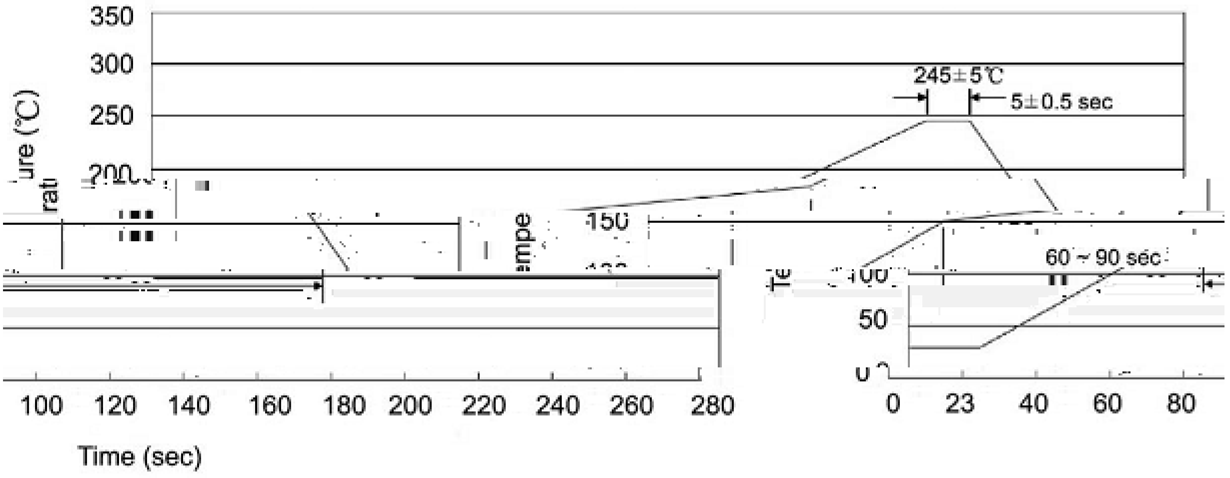
:5 χ	ҥѫ ʒ ᴺ Ꮒ
T χ	ҥѫ ⁶ ꝁ Ꮒ

Note:

H:	Company Code
72:	Product Type Code
Q:	h_{FE} Classifications Symbol Code

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



ب ˝ χ	Note:
1 ỉ ♬ □ ỷ 25 Ḱ 150 ɫ ı `H ڙ 60 Ḱ 90sec;	1.Preheating:25~150 ɫ , Time:60~90sec.
2 Š Ӫ □ ỷ 245 ° 5 ɫ ı `H ڙ `Y ҥ ѭ 5 ° 0.5sec;	2.Peak Temp.:245 ° 5 ɫ , Duration:5 ° 0.5sec.
3 ì ˙ Ỵ ˛ ɔ ﻪ ỷ ѭ 2 Ḱ 10 ɫ /sec.	3. Cooling Speed: 2~10 ɫ /sec.

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

ה ` ɣ ɫ / REEL

Package Type	Units					Dimension		(unit mm^3)
						ρ		

/ Notices