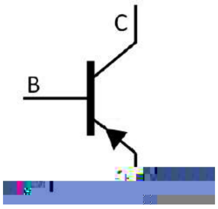
VRW0;< ṂṂȽ SQS ᴁṀɥ s ǁ ᒣ Silicon PNP transistor in a SOT-89 Plastic Package.

ṇ ʒ Ṃ Ƚ/љ NWF76:9 Ӈ ´

Small flat package, complementary to KTC4376.

[illegible]

High current application.



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

h_{FE} Classifications Symbol	O	Y
h_{FE} Range	100 200	160 320
Marking	HRO⁑	HRY⁑

v ̈Ω Parameter	ɣ ᴺ Symbol	̈ΩӨ Rating	ᴅ ɧ Unit
Collector to Base Voltage	V_{CBO}	-35	V
Collector to Emitter Voltage	V_{CEO}	-30	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-800	mA
Collector Base – Continuous	I_B	-160	mA
Collector Power Dissipation	P_C	500	mW
Collector Power Dissipation*	$*P_C$	1.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55　150	

*:mounted on ceramic substrate(250mm^2×0.8t)

- 583 p p ^{5}Ö31;w i

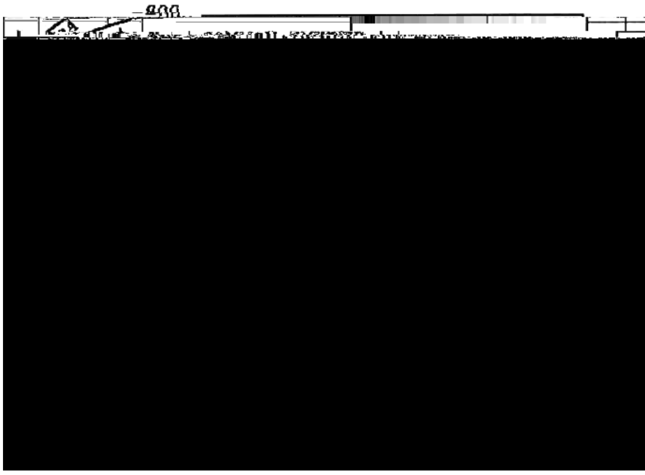
v ̈Ω Parameter	ɣ ᴺ Symbol	Test Conditions	ῳ ṇ Ө Min	Ɛ ʒ Ө Typ	ῳ ᶻ Ө Max	ᴅ ɧ Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-10mA　I_B=0	-30			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-35V　I_E=0			-0.1	μA
Emitter Base Cut-Off Current	I_{EBO}	V_{EB}=-5.0V　I_C=0			-0.1	μA
DC Current Gain	$h_{FE(1)}$	V_{CE}				

[redacted]

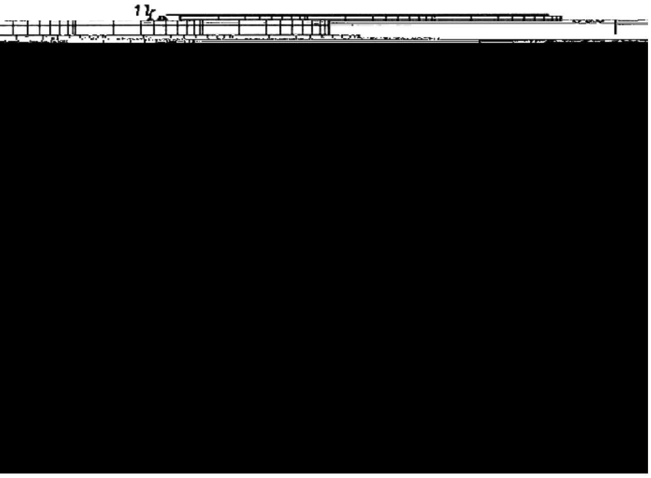
[redacted]

[redacted]

I_C – V_{CE}

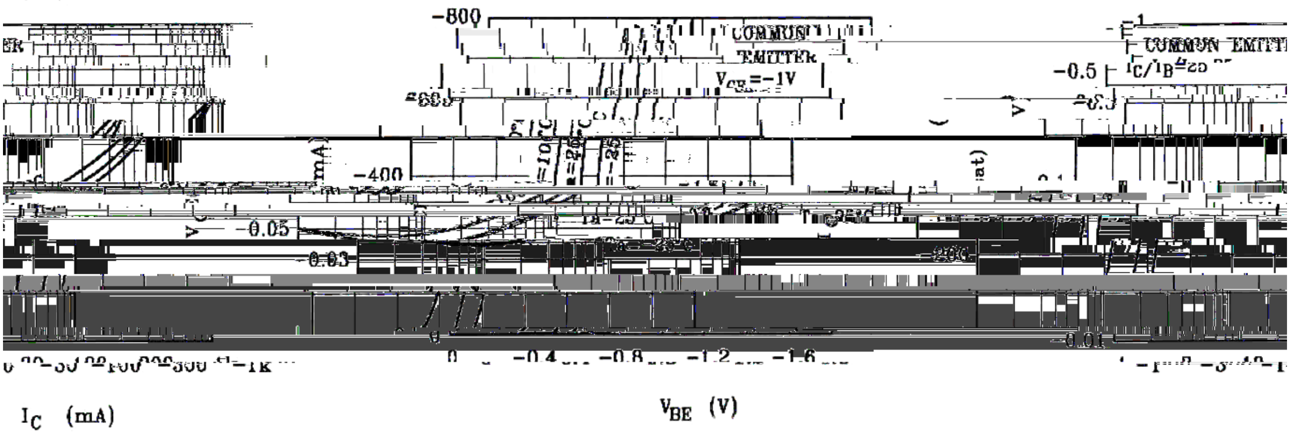


h_{FE} – I_C

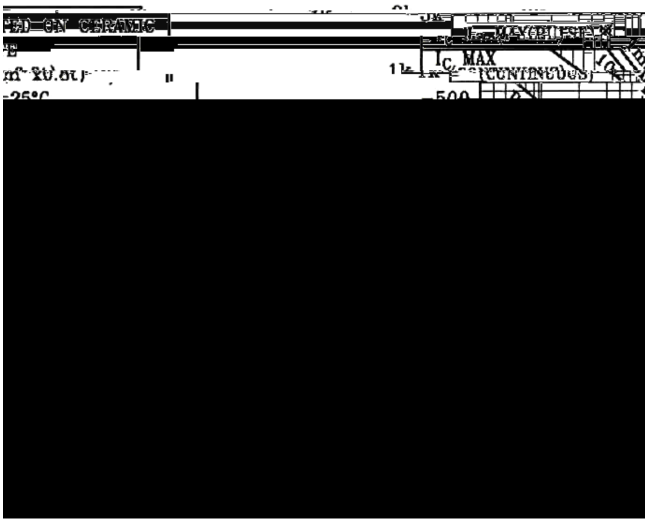


$V_{CE(sat)}$ – I_C

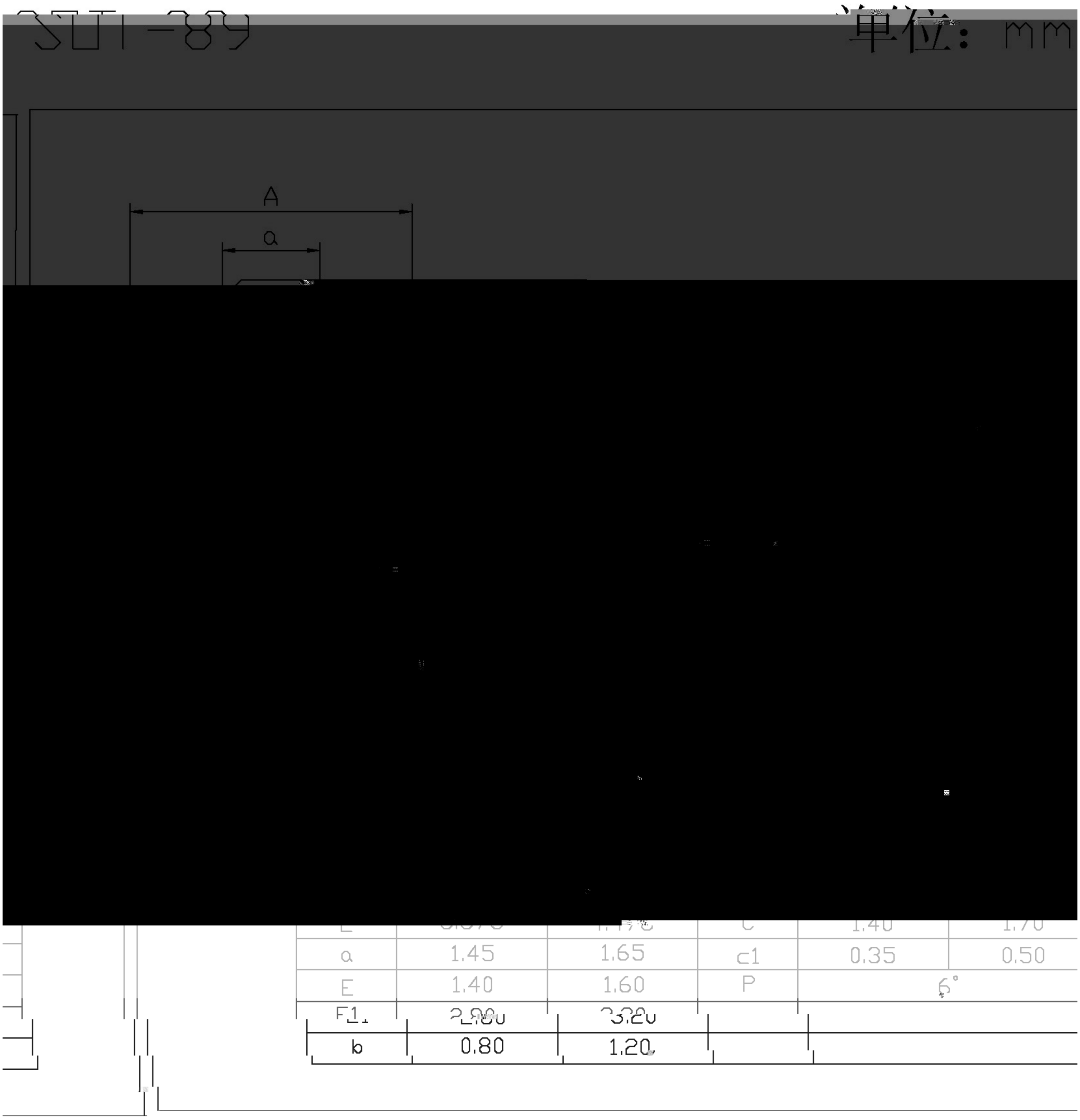
I_C – V_{BE}



SAFE OPERATING AREA

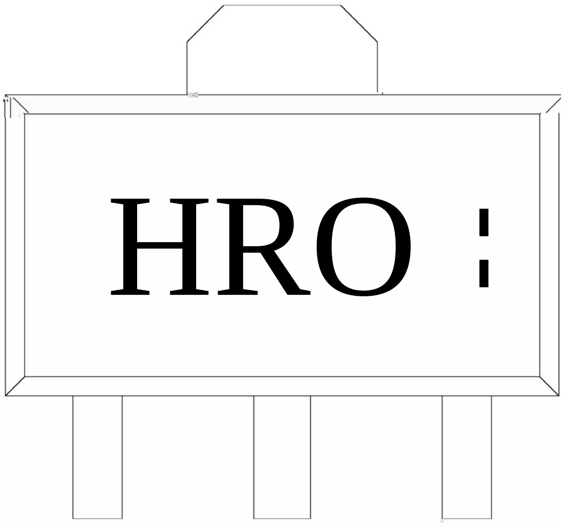


P_C – Ta



[redacted]

[illegible]	[illegible]	[illegible]	C	1.40	1.70
a	1.45	1.65	c1	0.35	0.50
E	1.40	1.60	P	6°	
E1	2.80	3.20			
b	0.80	1.20			



ب ˝ χ

K χ ℔ ʒ ᴎ Ꮒ

U χ ℔ ʒ N Ꮒ

R꞊ ℔ k ɪʜ 6 ₭Ꮒ

-- χ ℔ ·ǀ ғ ή N Ꮒ ı ɞ ·ǀ ғ ή N ψ ק

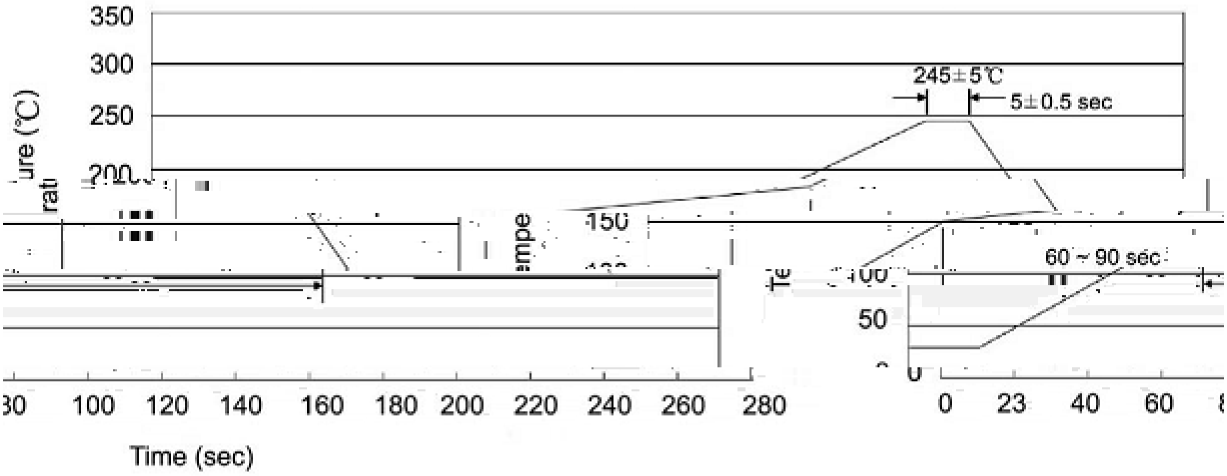
Note:

H: Company Code.

R: Product Type.

O: h_{FE} Classifications Symbol

**: Lot No. Code, code change with Lot No.



ب ˝ χ

1 ỉ ♬ □ ẙ 25 Ḱ 150 ɫ ו `H ڗ 60 Ḱ 90sec;

2 Ŝ � □ ẙ 245 ° 5 ɫ ו `H ڗ `Y ꟹ ཟ 5 ° 0.5sec;

3 ì ˙ ꟾ ˛ כ ֆ ẙ ཟ 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.

□ ẙ χ 260 ° 5 ɫ `H ڗ χ 10 ° 1 sec.

Temp.:260±5 Time:10±1 sec

ດ` ɣ ե / 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-89	1,000	7	7,000	8	56,000	7 ×12	180×120×180	385×257×392