VRW0;< ṂṂ Ł QSQ ÆṀ ч s ǁ ˥ Silicon NPN transistor in a SOT-89 Plastic Package.

ль 5VE97<WD Й ´

Complementary pair with 2SB649TA.

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Low frequency power amplifier.

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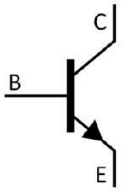
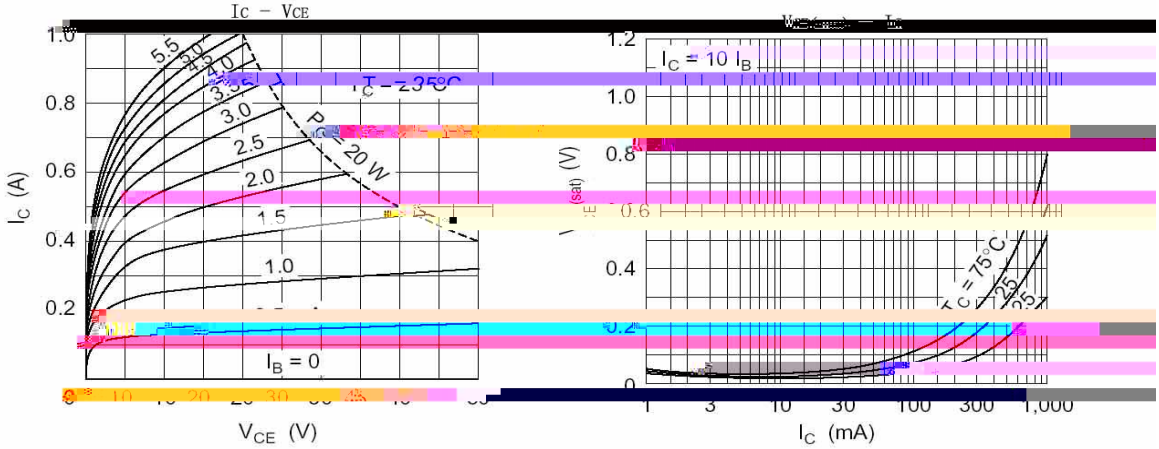
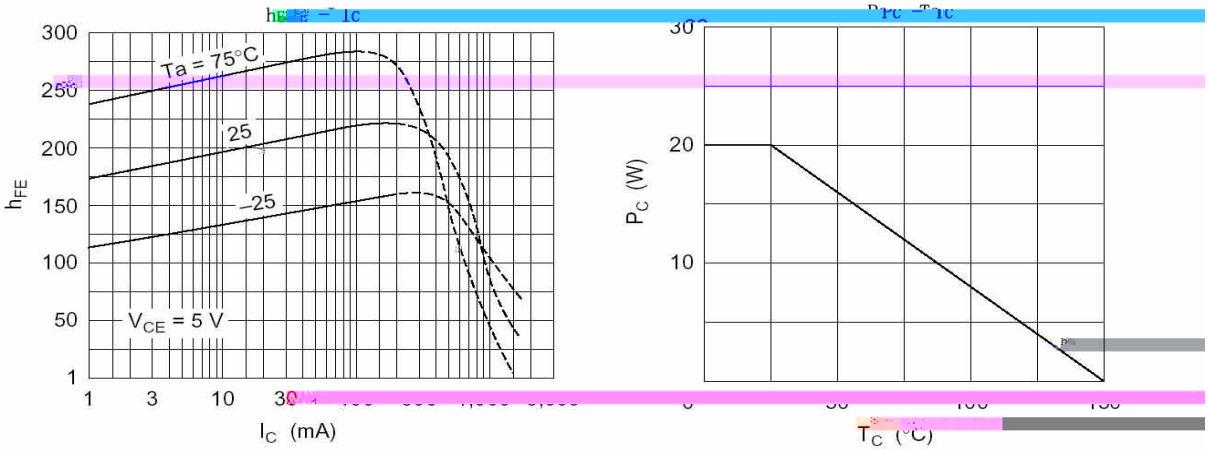


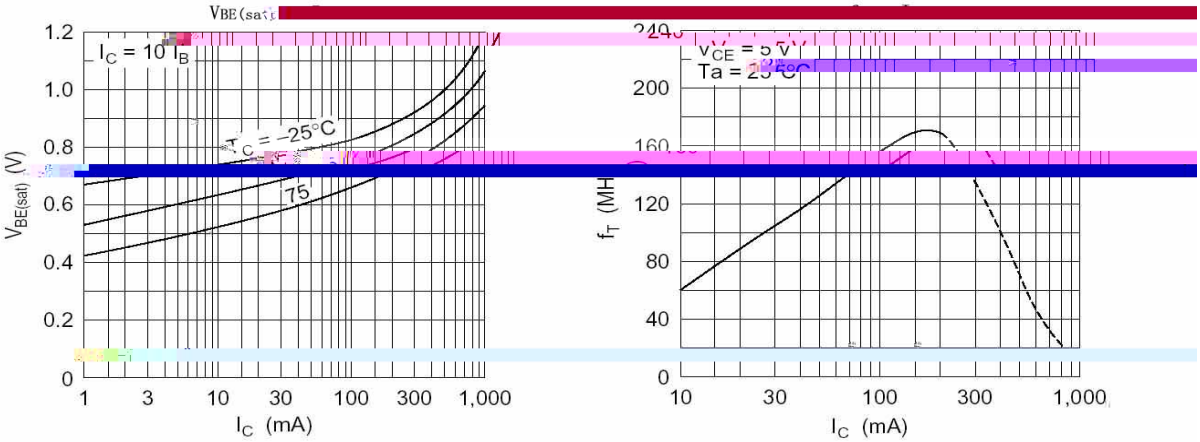
v ̈Ω̣ Parameter	ɬ N Symbol	̈Ω̣Ö Rating	D Ɉ Unit
Collector to Base Voltage	V_{CBO}	180	V
Collector to Emitter Voltage	V_{CEO}	160	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current-Continuous	I_C	1.5	A
Collector Current-Continuous (Pluse)	I_{CP}	3.0	A
Collector Power Dissipation	P_C	500	mW
Collector Power Dissipation	P_C(Tc=25)	20	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

v ̈Ω̣ Parameter	ɬ N Symbol	⊥⊥ ;ɬ Ţ Test Conditions	ω̣ ṇ Ö Min	Ɛ ʒ Ö Typ	ω̣ ʑ Ö Max	D Ɉ Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=1.0mA I_E=0	180			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=10mA R_{BE}=∞	160			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=1.0mA I_C=0	5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=160V I_E=0			10	μA
DC Current Gain	$h_{FE(1)}$	V_{CE}=5.0V I_C=150mA	60		320	
	$h_{FE(2)}$	V_{CE}=5.0V I_C=500mA	30			
Base to Emitter Voltage	V_{BE}	V_{CE}=5.0V I_C=150mA			1.5	V
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=500mA I_B=50mA			1.0	V
Transition Frequency	f_T	V_{CE}=5.0V I_C=150mA		140		MHz-0.0001

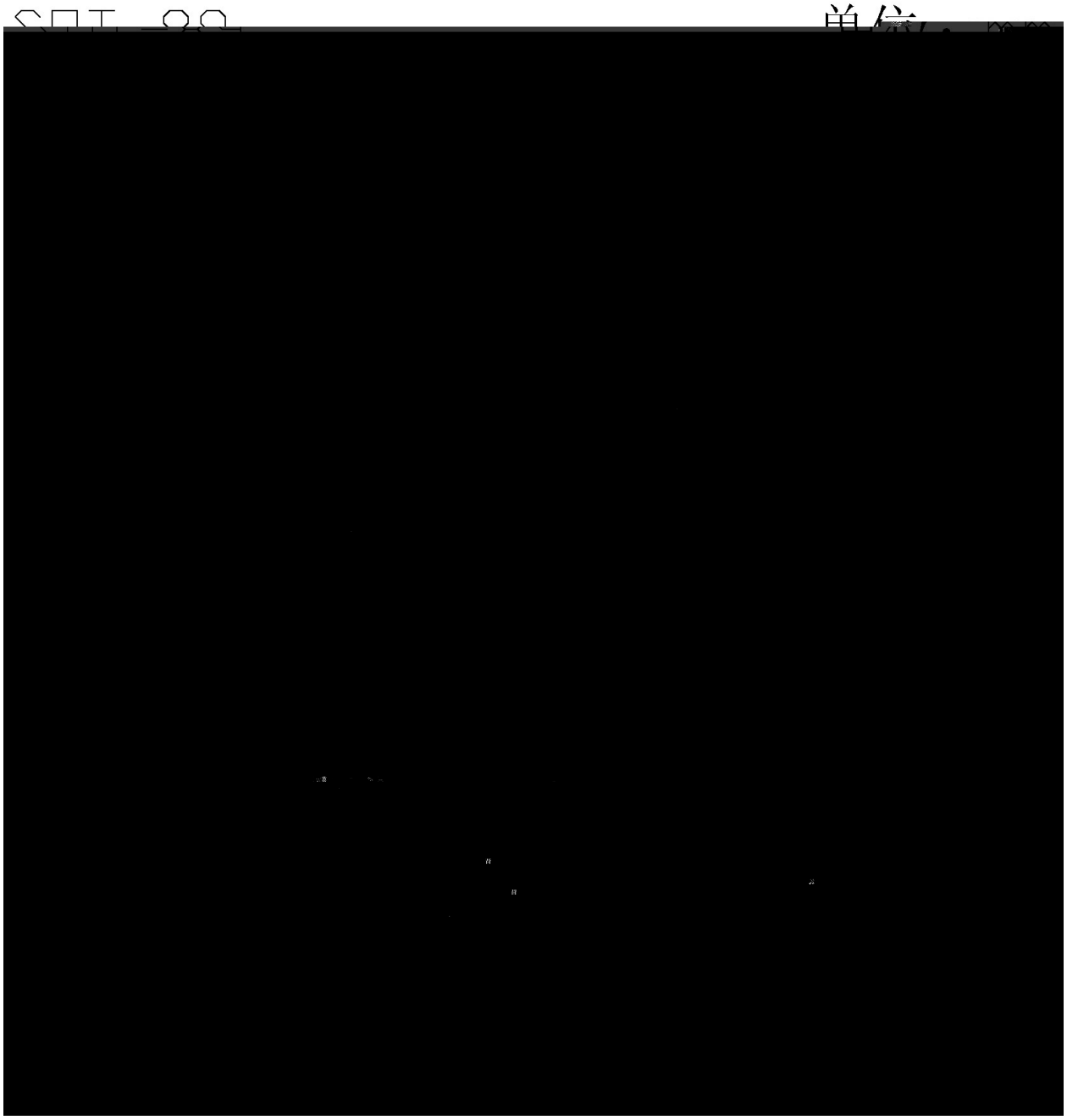
ƒ Electrical Characteristic Curve



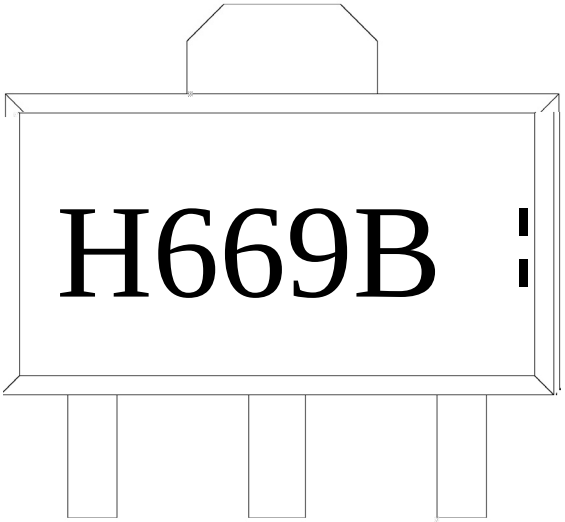




ᵘ ĖÒĻ ʃ / Package Dimensions



Ł. Ľ˝Ω / Marking Instructions



ب ˝ χ

H χ ѭ ʒ ᴵ Ɱ

669 χ ѭ ʒ ᴺ Ɱ

B χ ѭ h_{FE} ʿ ᶠ Ɱ

-- χ ѭ ɨ ɾ ŋ̈ ᴺ Ɱ ɪ ɞ ɨ ɾ ŋ̈ ᴺ ψ ק

Note:

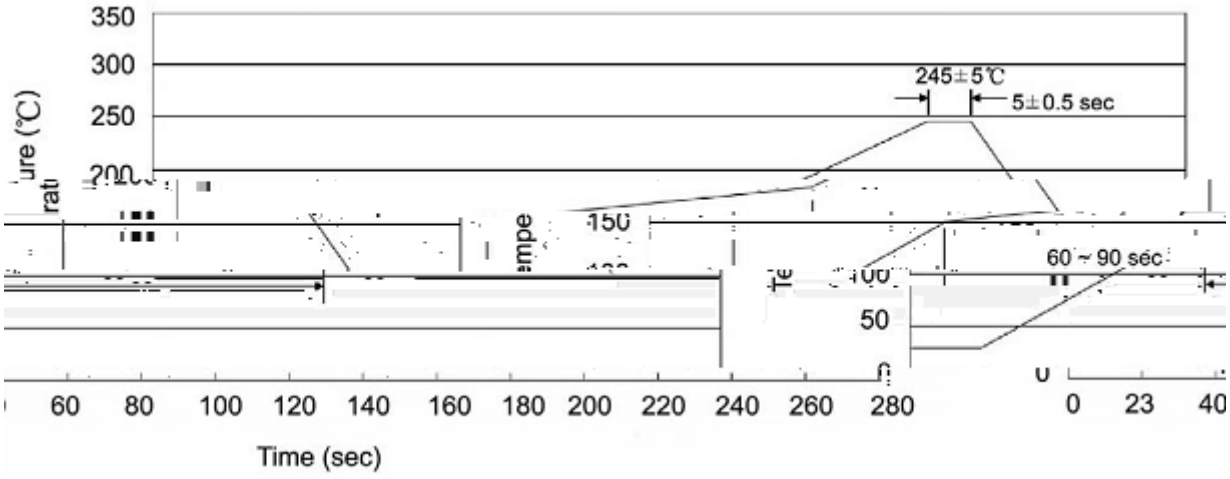
H: Company Code.

669: Product Type.

B χ h_{FE} Classifications Symbol

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

ŧħ ʃ ╗ ẘ ´E ⅵ ƒ (ᾠ̈ ᴗ̈) / Whp shudwxuh Suriloh iru LU Uhior z Vroghulqj+Se0luhh,



ب ˝ χ

1 أ ♬ □ ỷ 25 Ḱ 150 ɬ ı `H ʒ 60 Ḱ 90sec;

2 Š Ö □ ỷ 245 ° 5 ɬ ı `H ʒ ˋY ⅄ ⅉ 5 ° 0.5sec;

3 ì ˙ ⅄ ˛ ɔ ɯ ỷ ⅉ 2 Ḱ 10 ɬ /sec.

Note:

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

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

3. Cooling Speed: 2~10 ɬ /sec.

⅃ ϋ ɑ ˝ `Y Ţ / Resistance to Soldering Heat Test Conditions

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

ɒ ⊢ ⊰— / Packaging SPEC.

ɔ` γ ⊢ / 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

ä ⅋ ⅃ ̈Ω / Notices