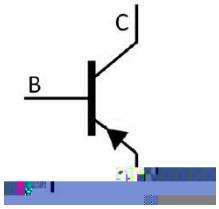
VRW0;< ṂṂ Ł SQS ÆṀ ч s ǁ ˊ Silicon PNP transistor in a SOT-89 Plastic Package.

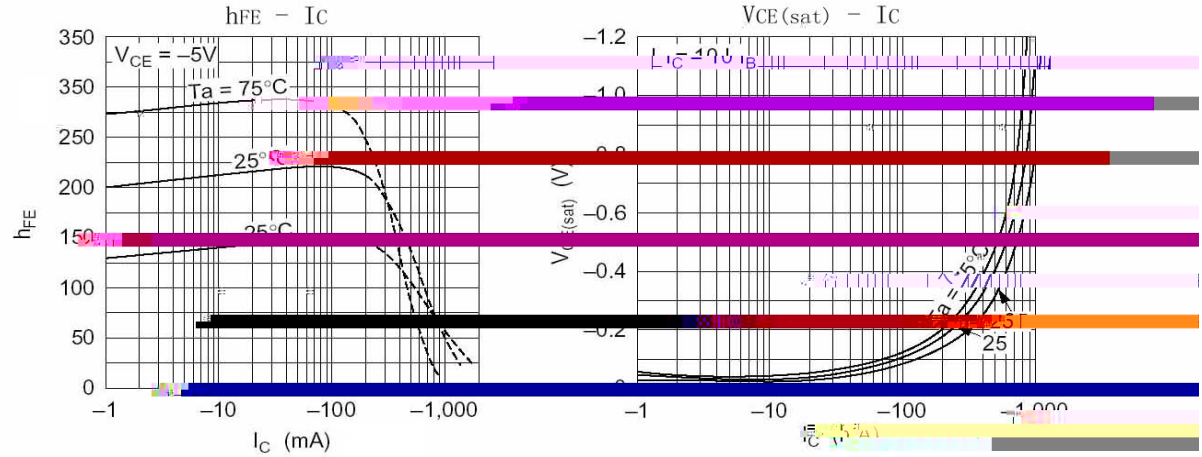
љ 5VG99<WD Й ´

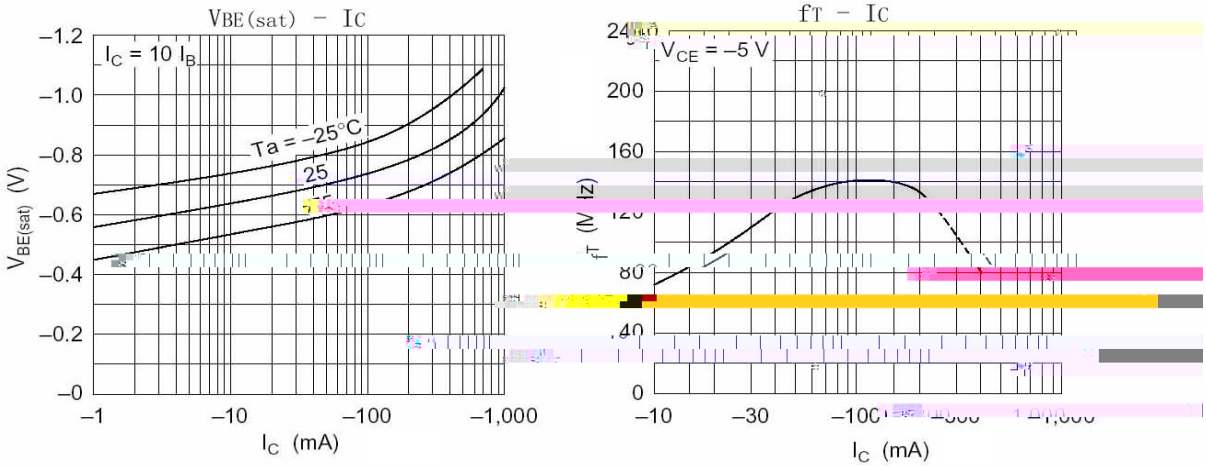


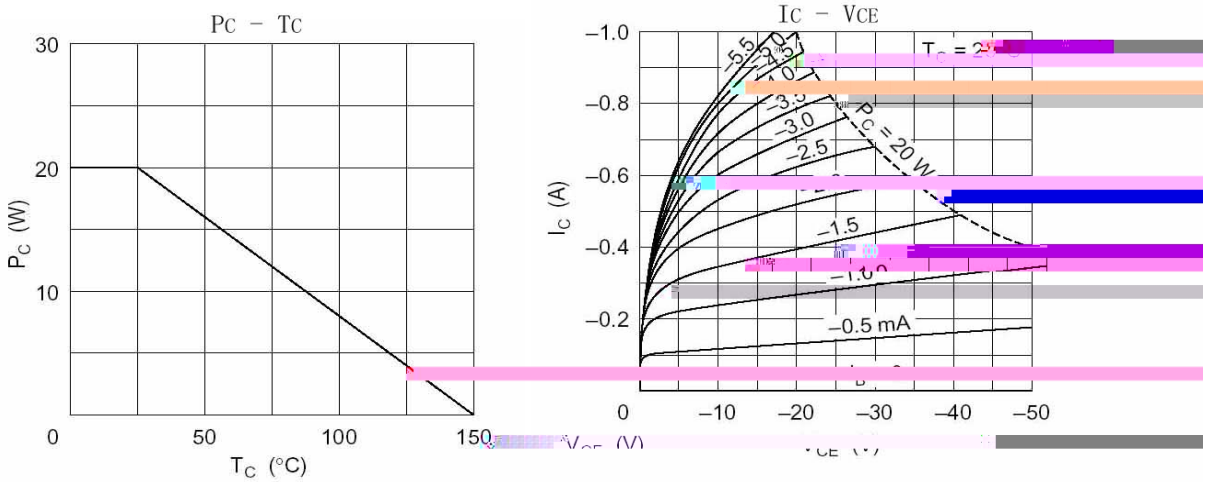
v ̈Ω Parameter	ϒ N Symbol	̈ΩӦ Rating	D Ӌ Unit
Collector to Base Voltage	V_{CBO}	-180	V
Collector to Emitter Voltage	V_{CEO}	-160	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current-Continuous	I_C	-1.5	A
Collector Current-Continuous(Pluse)	I_{CP}	-3.0	A
Collector Power Dissipation	P_C	500	mW
Collector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

v ̈Ω Parameter	ϒ N Symbol	⫫ :ϯ ϒ Test Conditions	ѡ ṇ Ӧ Min	Ɛ ʒ Ӧ Typ	ѡ ᶻ Ӧ Max	D Ӌ 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	A
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			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-500mA I_B=-50mA			-1.0	V
Base to Emitter Voltage	V_{BE}	V_{CE}=-5.0V I_C=-150mA			-1.5	V
Transition Frequency	f_T	V_{CE}=-5.0V I_C=-150mA		140		MHz
Collector Output Capacitance	C_{ob}	V_{CB}=-10V I_E=0 f=1.0MHz		27		pF

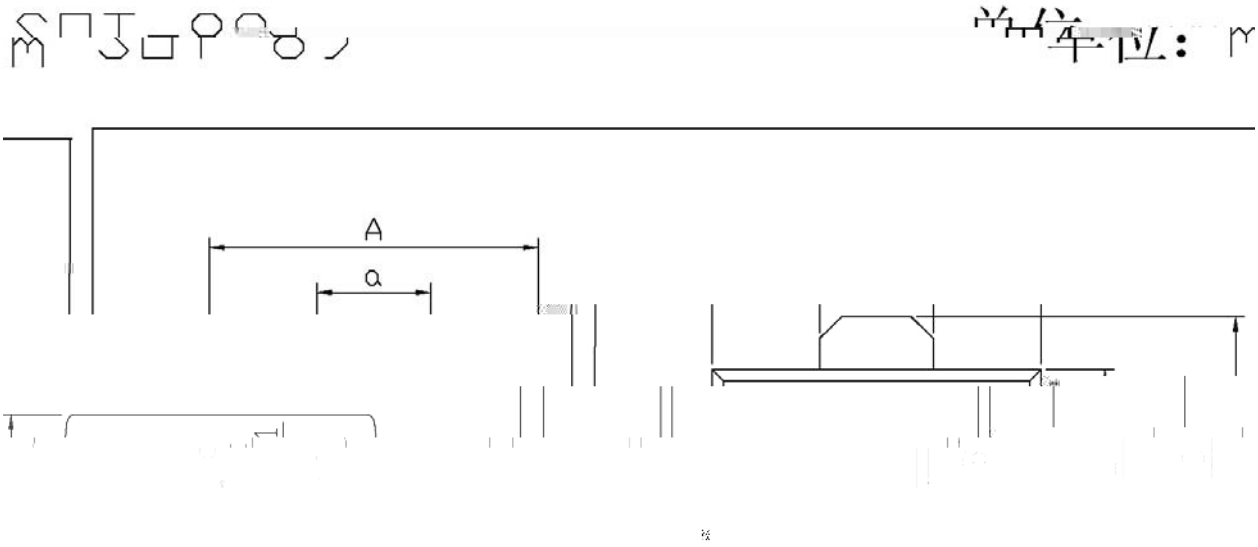
ƒ Electrical Characteristic Curve



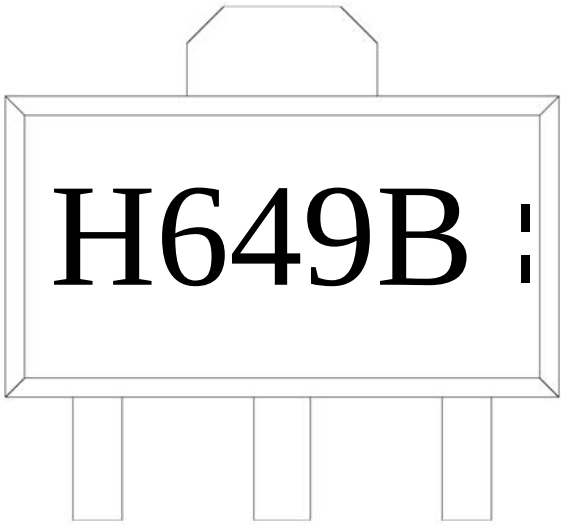




ᵘ Ė Ò Ļ ʃ / Package Dimensions



Ł. ĽŐ / Marking Instructions



ب ˝ χ

H χ ѭ ʒ ᴵ Ɱ

649 χ ѭ ʒ ᴺ Ɱ

B χ ѭ h_{FE} ʿ ᶠ Ɱ

-- χ ѭ ɨ ɾ ŋ̈ ᴺ Ɱ ɪ ɐ ɨ ɾ ŋ̈ ᴺ ψ ק

Note:

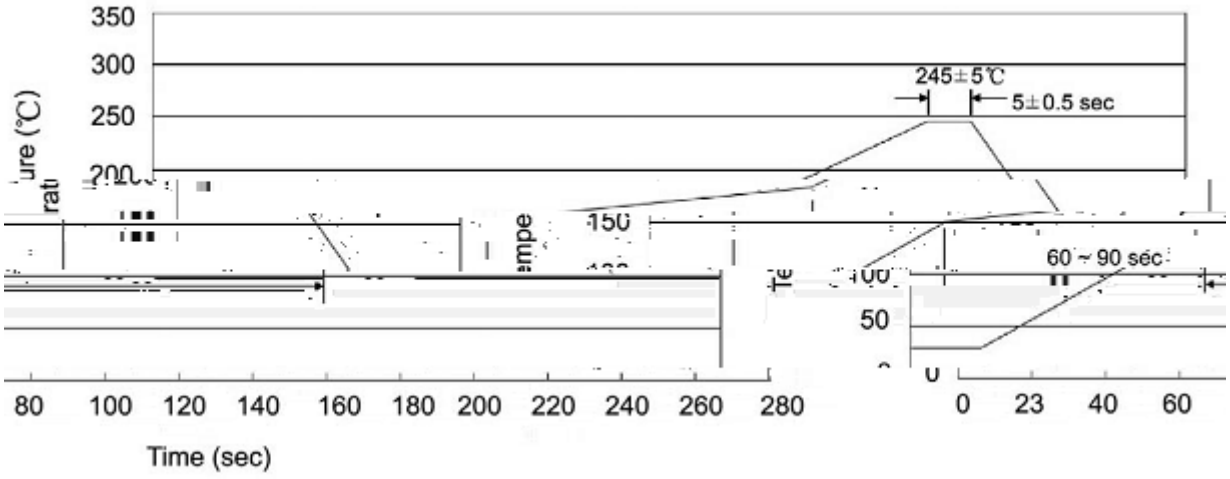
H: Company Code.

649: Product Type.

B χ h_{FE} Classifications Symbol

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

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



ب ˝ χ

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

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

3 ì ˙ ⅄ ˛ ɔ ⅆ ỷ ⅉ 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.

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

□ ỷ χ 260 ° 5 ɫ `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	6	42,000	7 ×12	180×120×180	390×385×205

ä ⅄ ⅃ ˝Ω / Notices