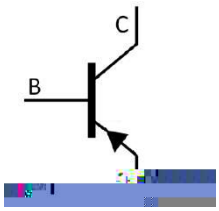
VRW0;< ṂṂ Ḫ SQS ÆṀ ч s ‖ ㄱ Silicon PNP transistor in a SOT-89 Plastic Package.

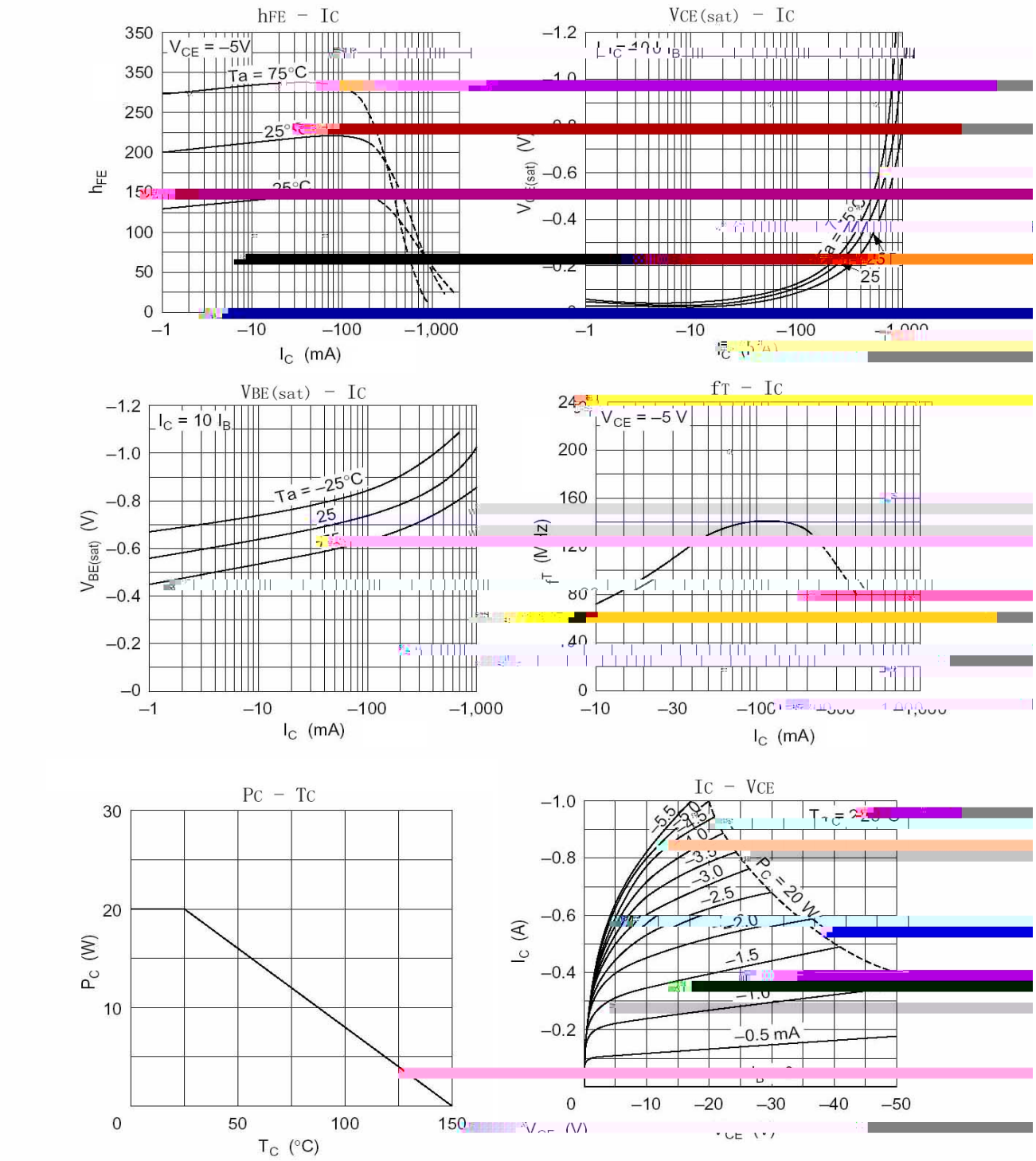
лъ 5VG99<WD Ӣ ´



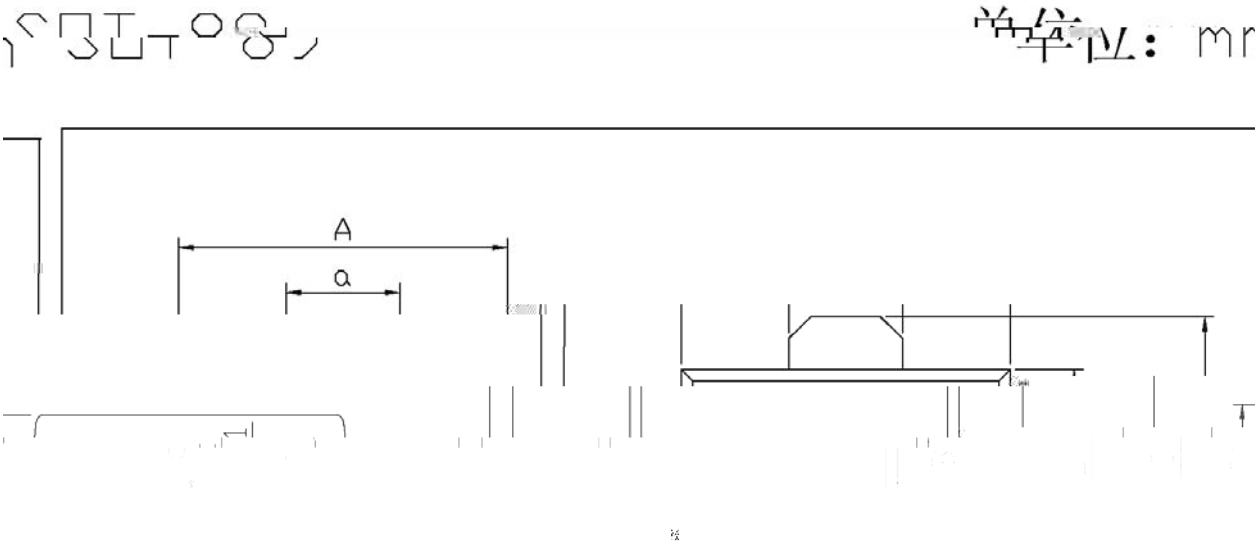
v ‴Ω Parameter	ϒ ᴺ Symbol	‴Ω Ö Rating	ᴅ Ꮒ Unit
Collector to Base Voltage	V_{CBO}	-180	V
Collector to Emitter Voltage	V_{CEO}	-160	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current-Continuous	I_C	-1.5	A
Collector Current-Continuous(Pluse)	I_{CP}	-3.0	A
Collector Power Dissipation	P_C	500	mW
Collector 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	⅄ ⁝ᵀ ᵀ Test Conditions	ѡ ṇ Ö Min	Ɛ ȝ Ö Typ	ѡ ᶻ Ö Max	ᴅ Ꮒ 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			
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

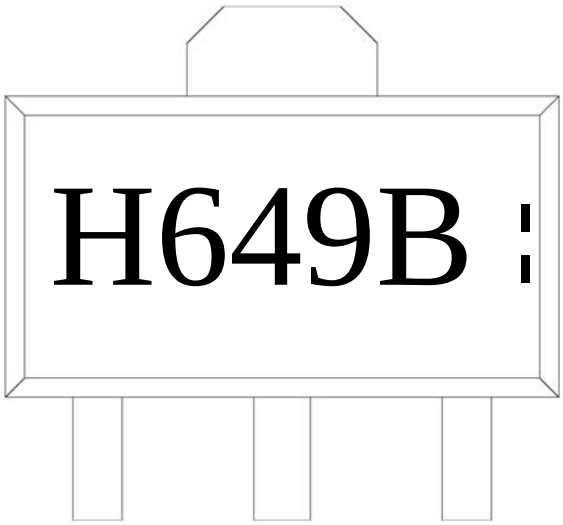
≠ ∃ ₹Ạ´E ∀ ƒ / Electrical Characteristic Curve



ᵘ Ė Ò Ļ ʃ / Package Dimensions



ł. Ļ"Ω / Marking Instructions



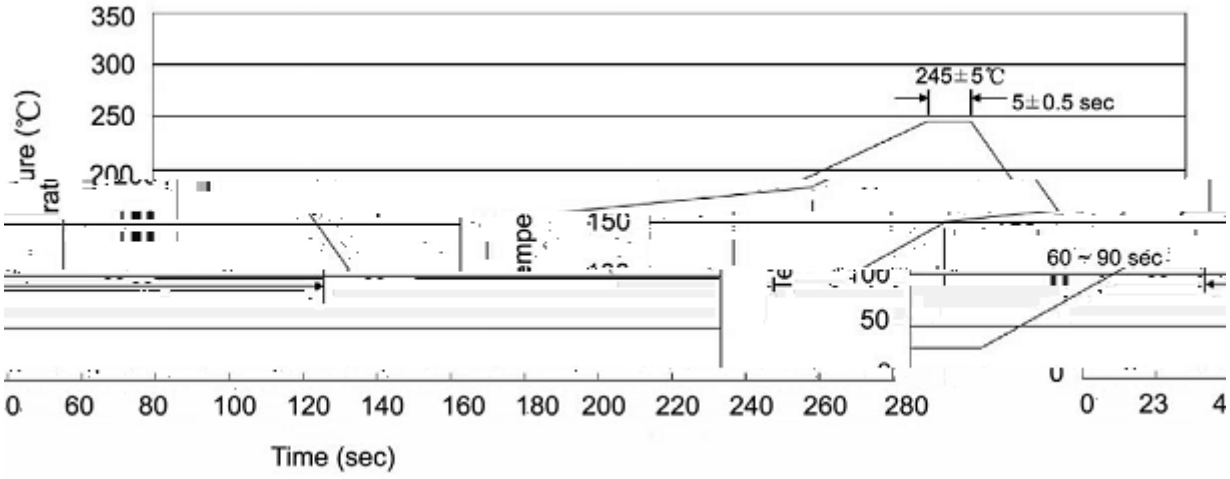
ب ˝ χ

H χ	ѭ ϗ и Ґђ
649 χ	ѭ ϳ N Ґђ
B χ	ѭ h_{FE} ‘ 6 Ґђ
-- χ	ѭ ı ғ ӈ̈ N Ґђ ı ֏ ı ғ ӈ̈ N Ψ ק

Note:

H:	Company Code.
649:	Product Type.
B χ	h_{FE} Classifications Symbol
**:	Lot No. Code, code change with Lot No.

ѫ ʃ ╕ ẘ ´E ѵ ʃ (ѽ ѯ) / Wh p shudwxuh Suril oh i ru LU Uhi o r z Vr oghulq j+Se0luhh,



ب ˝ χ

1 Ĺ ♬ □ ẙ 25 Ќ 150 ɬ ı ˋH ڑ 60 Ќ 90sec;

2 Š Ө □ ẙ 245 ° 5 ɬ ı ˋH ڑ ˋY ѧ ѭ 5 ° 0.5sec;

3 ì ˙ ϒ ¸ ɔ ѡ ẙ ѭ 2 Ќ 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.

ѧ ŭ ɋ ¯ ˋY Ţ / Resistance to Soldering Heat Test Conditions

□ ẙ χ 260 ° 5 ɬ	ˋH ڑ χ 10 ° 1 sec.	Temp.:260±5	Time:10±1 sec

ɒ Ŀ ϩ — / Packaging SPEC.

ɔ ` ɣ Ŀ / 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 ѵ Ļ Ѽ / Notices