/ Descriptions

SOT-89 NPN
Silicon NPN transistor in a SOT-89 Plastic Package.

/ Features

KSB1116(A)T

Complementary pair with KSB1116(A)T. Halogen-free Product.

/ Applications

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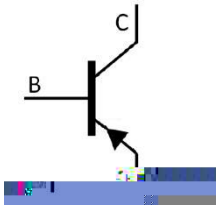
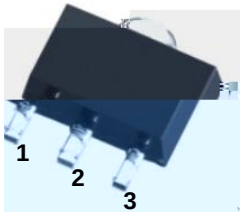
Audio frequency power amplifier, medium speed switching.

/ Equivalent Circuit



/ Pinning

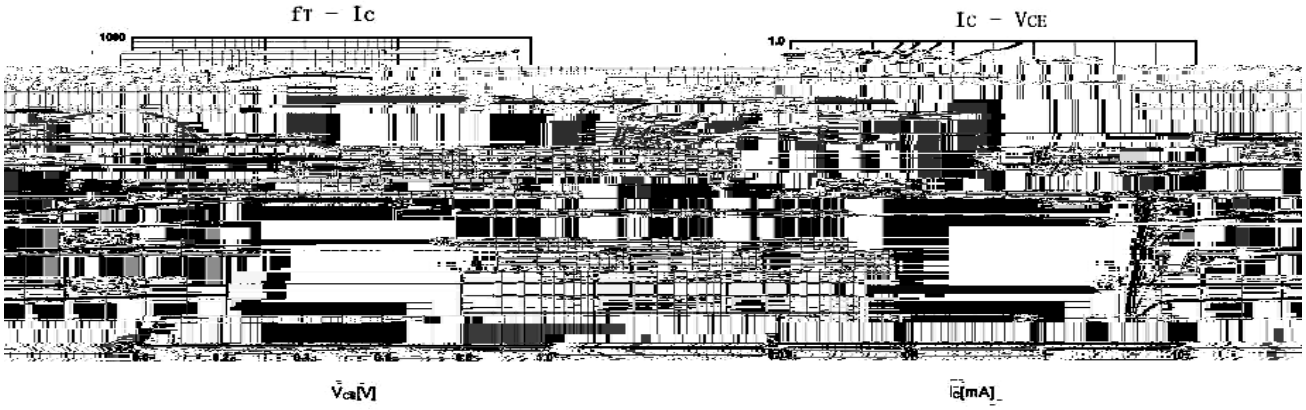


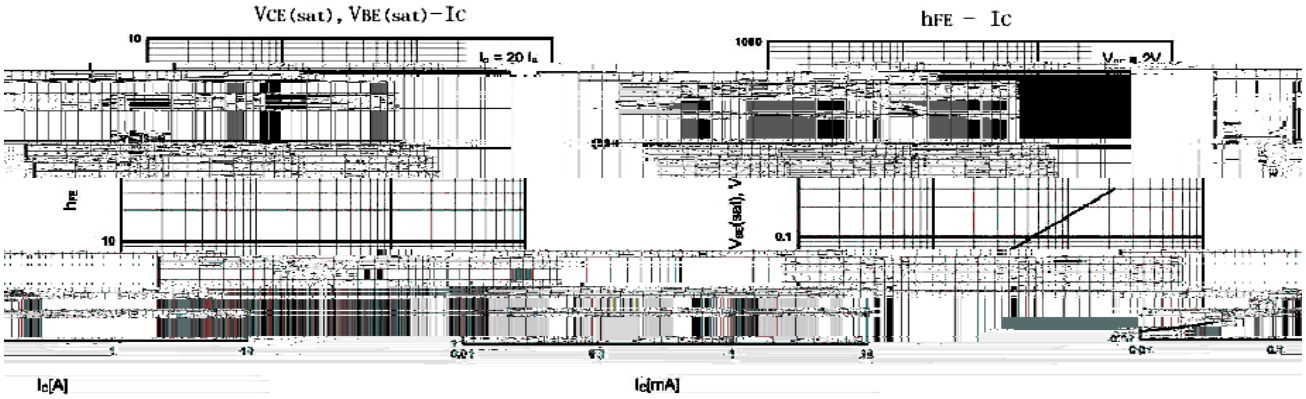
PIN1 Base PIN 2 Collector PIN 3 Emitter

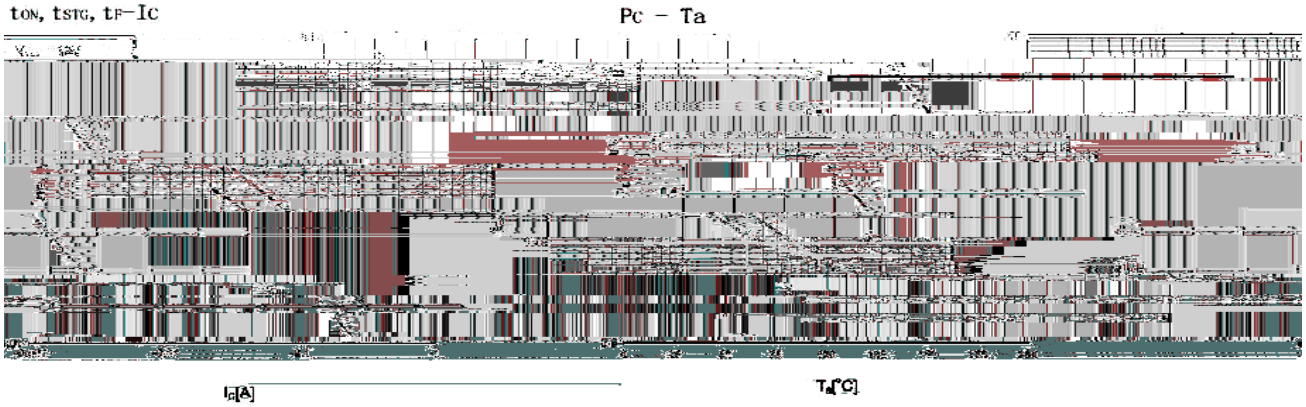
/ Marking

h_{FE} Classifications Symbol	Y	G	L
h_{FE} Range	135~270	200~400	300~600

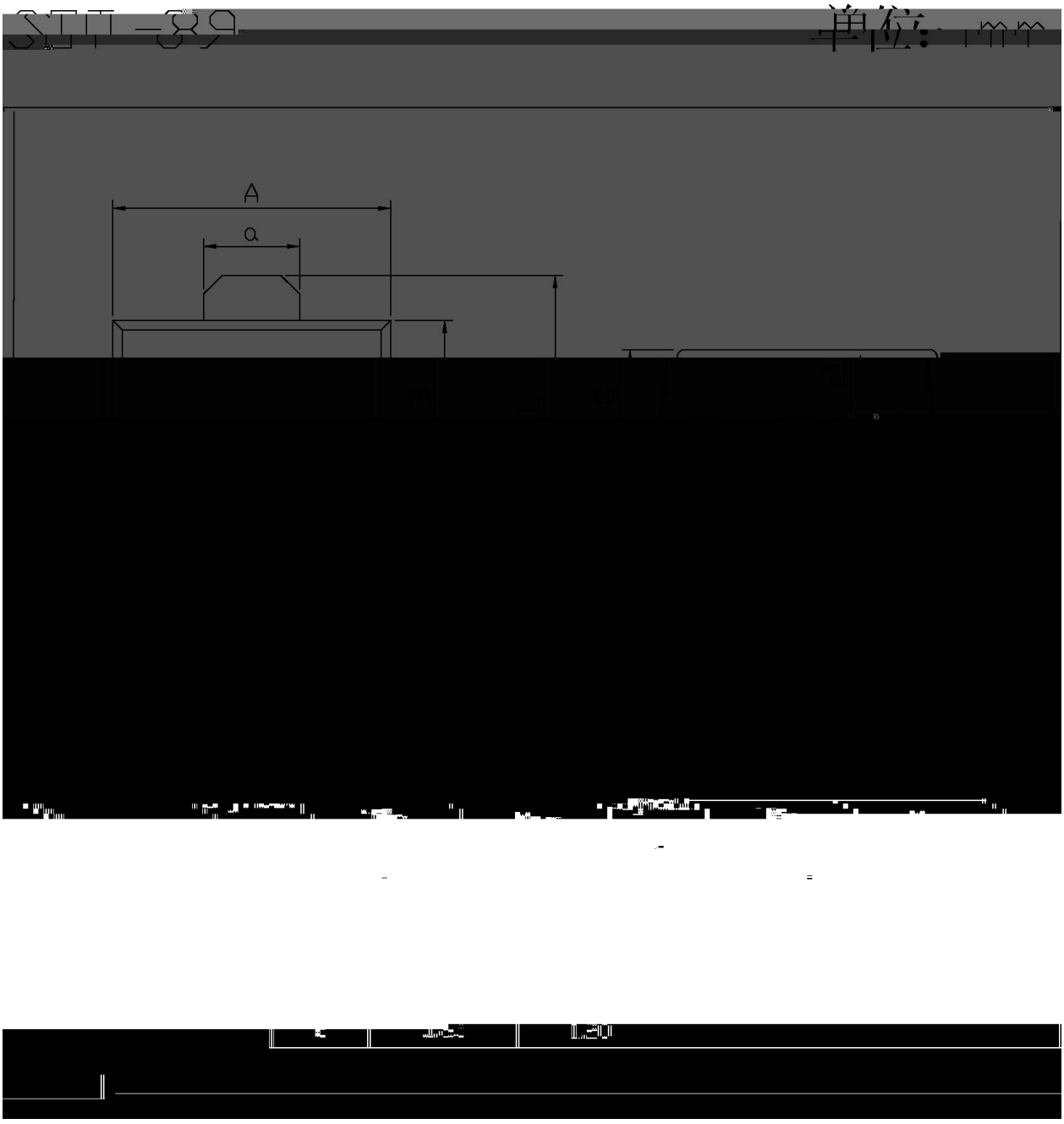
/ Electrical Characteristic Curve



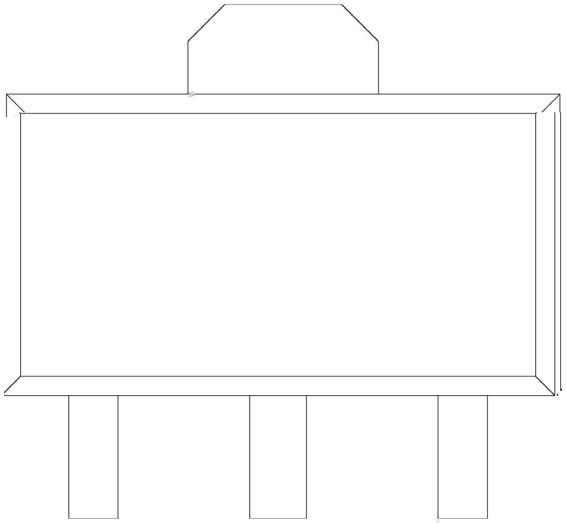




/ Package Dimensions



/ Marking Instructions



H

BW

Y h_{FE}

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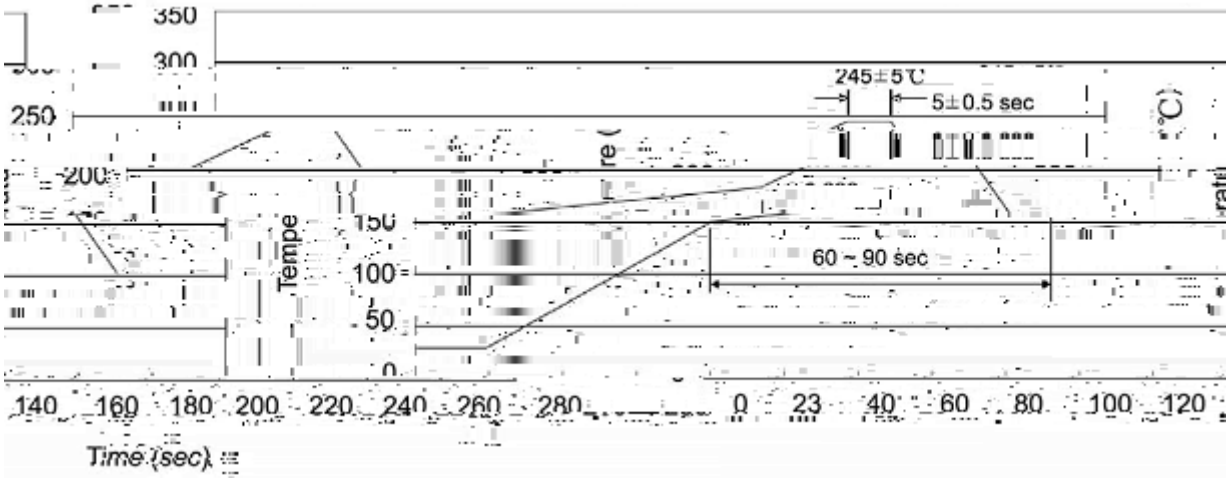
Note:

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



1	25	150	60	90sec;	
2	245±5			5±0.5sec;	
3		2	10	/sec.	

Note:
1.Preheating:25~150 , Time:60~90sec.
2.Peak Temp.:245±5 , Duration:5±0.5sec.
3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5 10±1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ 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

/ Notices