

KSD1616AT

Rev.A Sep.-2019

/ Descriptions

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

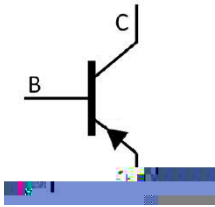
/ Features

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

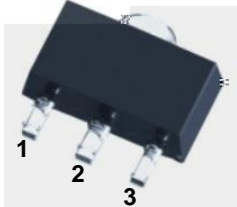
/ Applications

Audio frequency power amplifier, medium speed switching.

/ Equivalent Circuit



/ Pinning

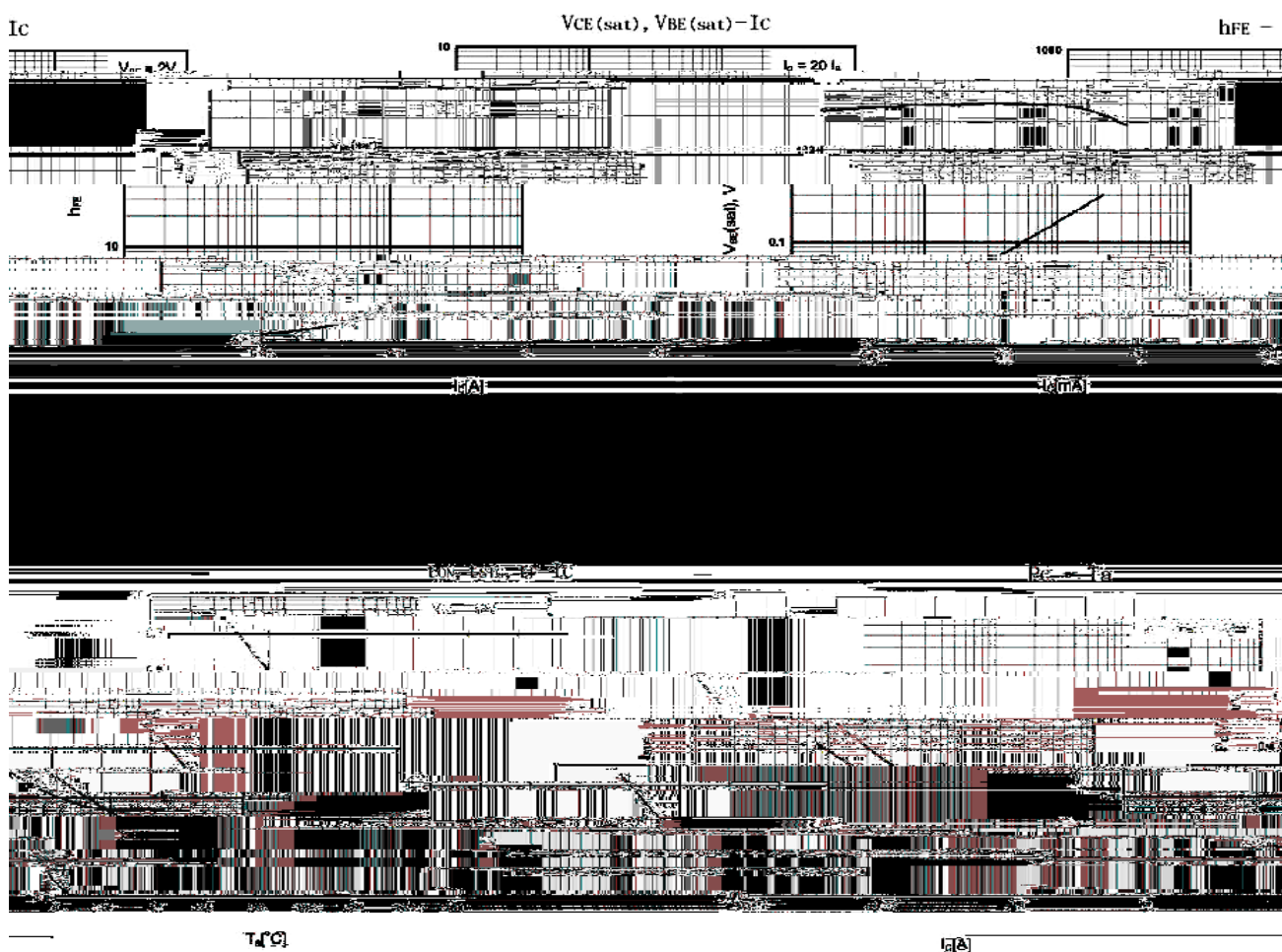
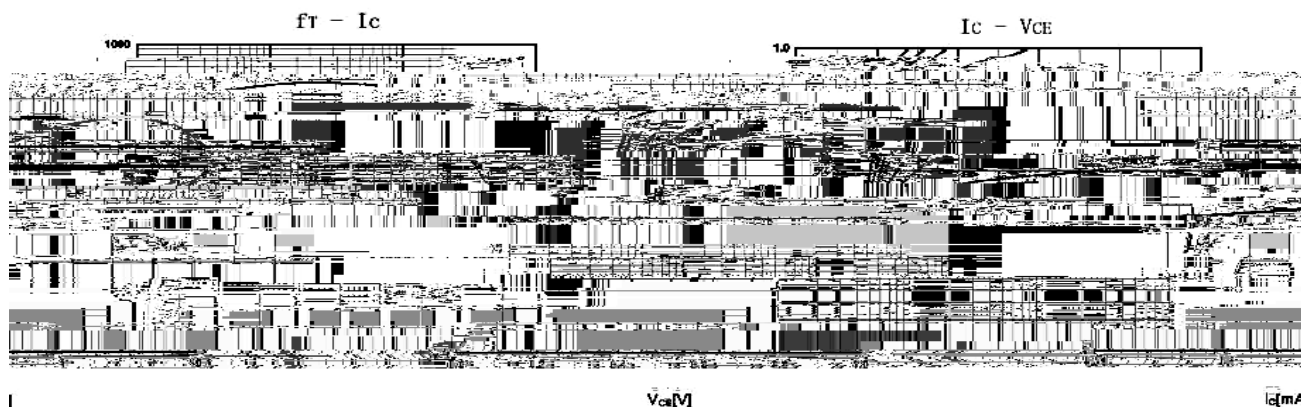


PIN1 Base PIN 2 Collector PIN 3 Emitter

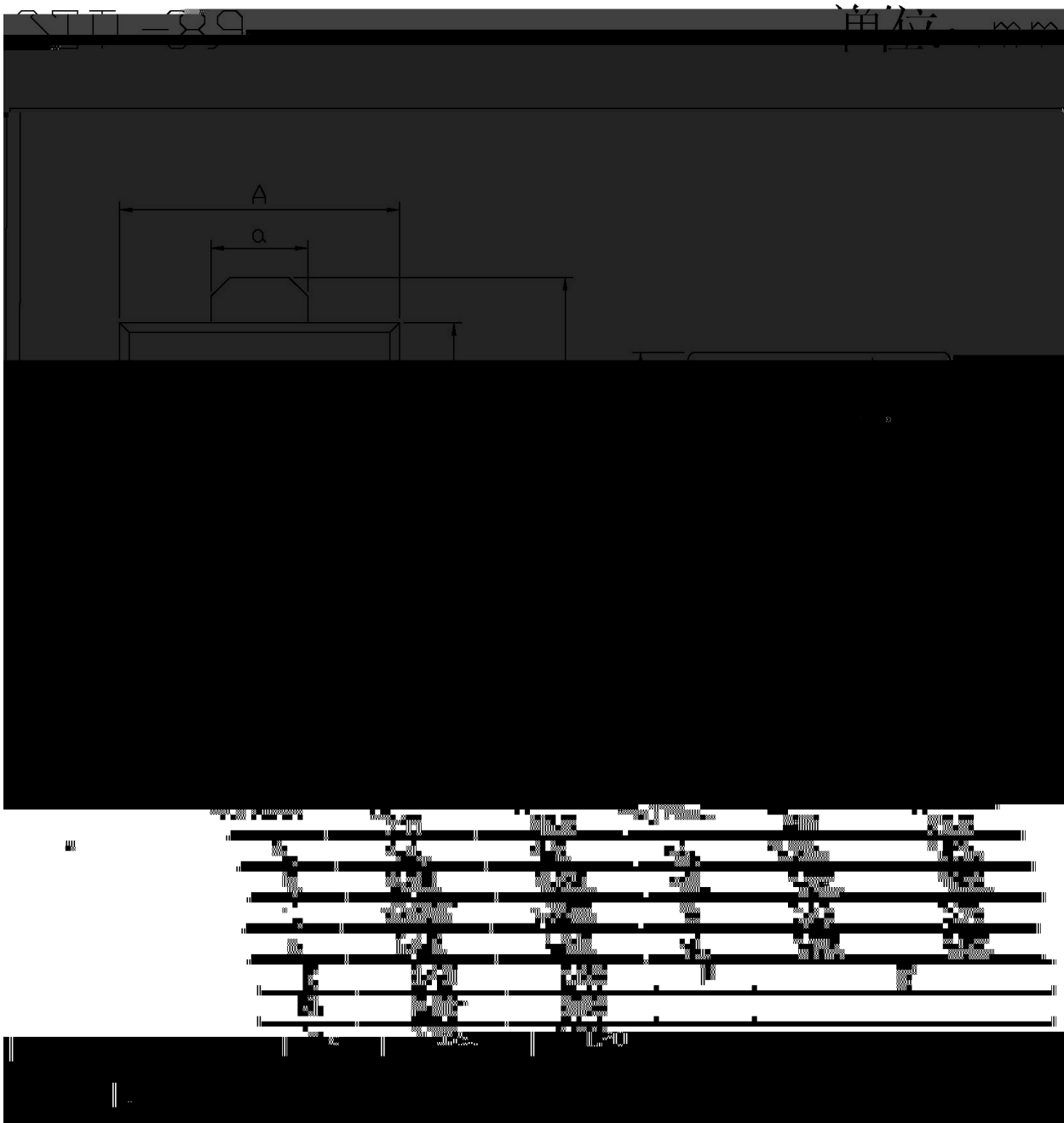
/ Marking

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

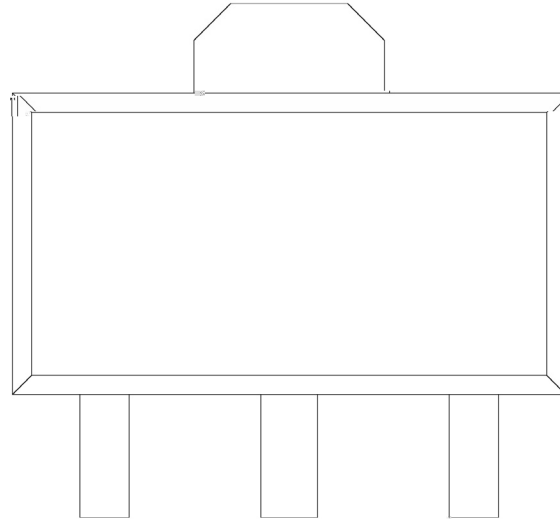
/ Electrical Characteristic Curve



/ Package Dimensions



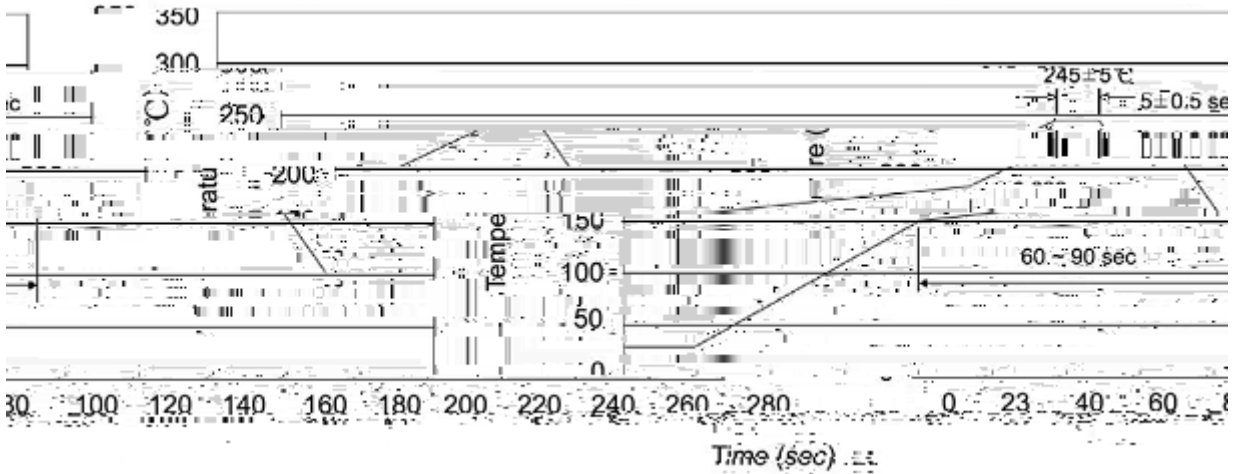
/ Marking Instructions



H
BW
Y h_{FE}
**

Note:

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



Note:

- | | | | | | |
|---|-------|-----|-----------|--------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 245±5 | | 5±0.5sec; | | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 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