

MMBT3906ZK

Rev.D Mar.-2025

/ Descriptions

DFN1006-3L PNP

Silicon PNP transistor in a DFN1006-3L Plastic Package.

/ Features

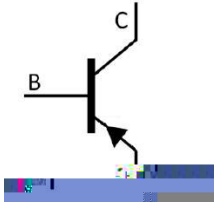
h_{FE} $V_{CE(sat)}$

High DC Current Gain, Low Collector to Emitter Saturation Voltage, HF product.

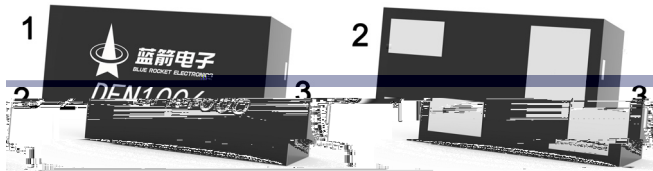
/ Applications

General purpose amplifier and switching.

/ Equivalent Circuit



/ Pinning

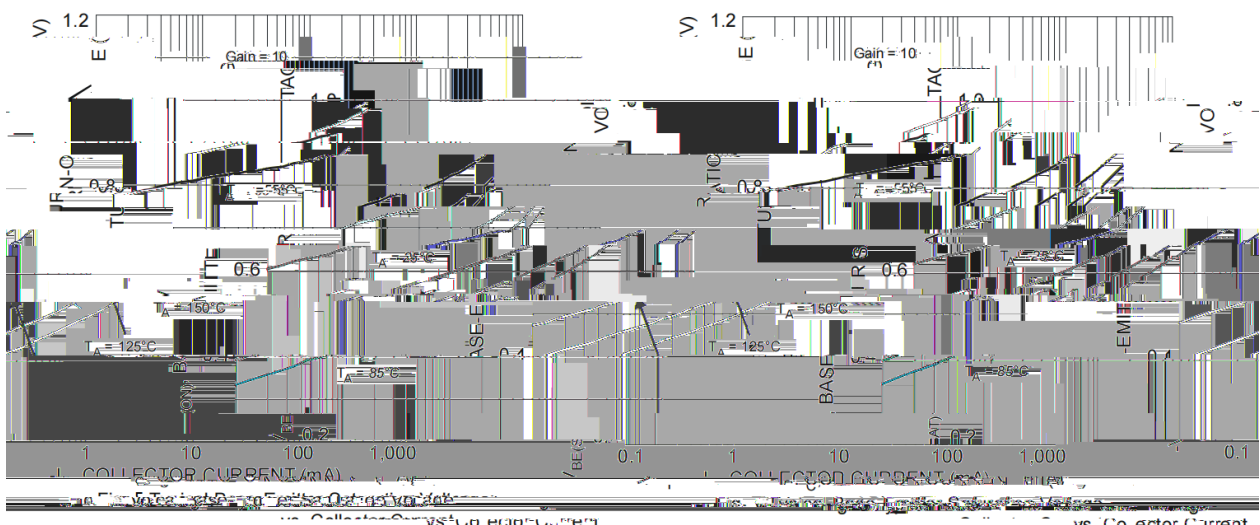
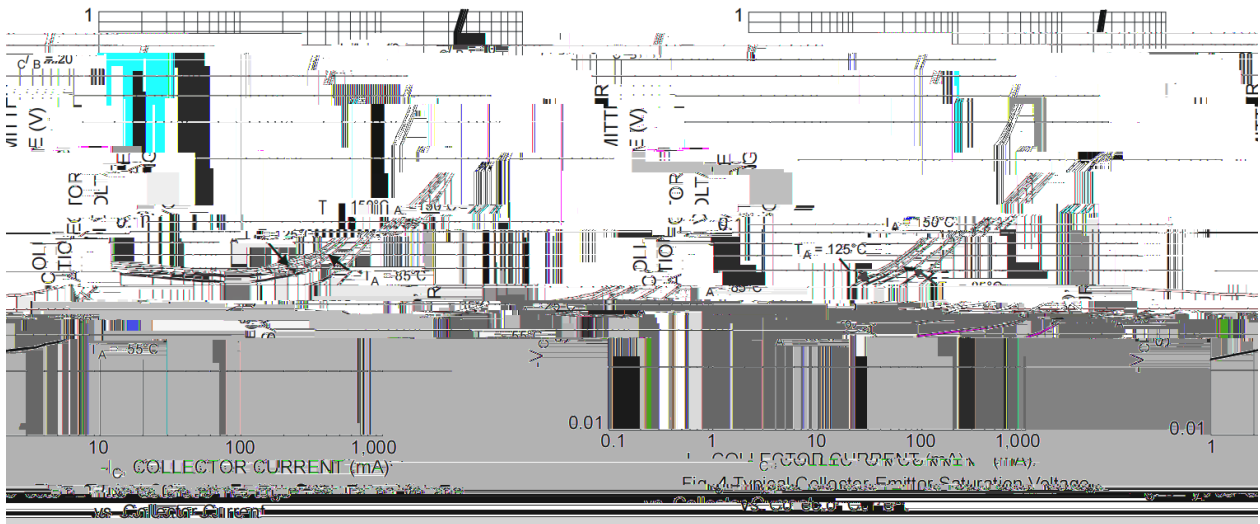
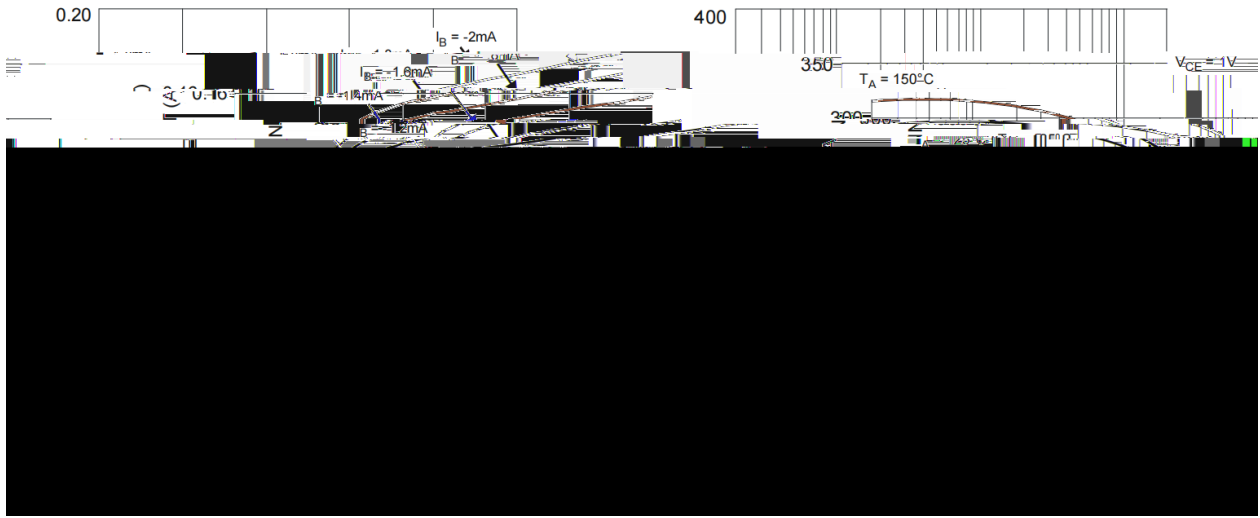


PIN 1 Base PIN 2 Emitter PIN 3 Collector

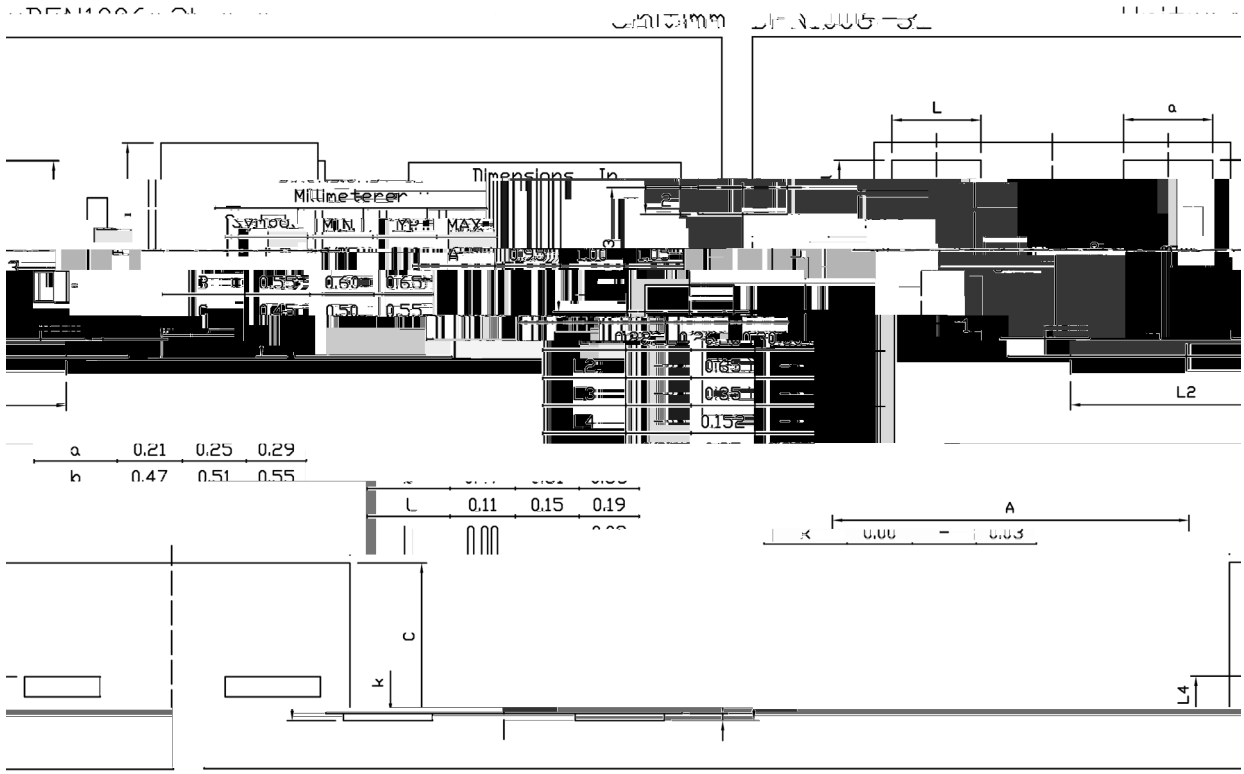
/ h_{FE} Classifications & Marking

h_{FE} Range	100 300
Marking	· H2AK

/ Electrical Characteristic Curve

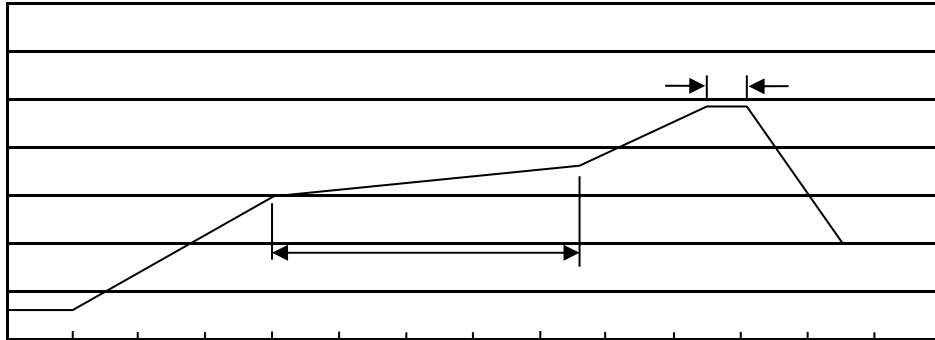


/ Package Dimensions



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



Note:

- | | | | | | |
|---|-------|-----|-----------|----------|---|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , 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
DFN1006-3L	10,000	10	100,000	6	600,000	7 x8	180x120x180	390x385x205

/ Notices