/ Descriptions

SOT-323 PNP Silicon PNP transistor in a SOT-323 Plastic Package.

/ Features

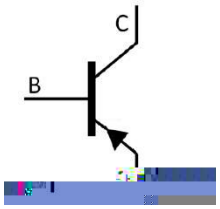
BC846W

High current, low voltage complementary pair with BC846W.

/ Applications

General purpose switching and amplification.

/ Equivalent Circuit



/ Pinning



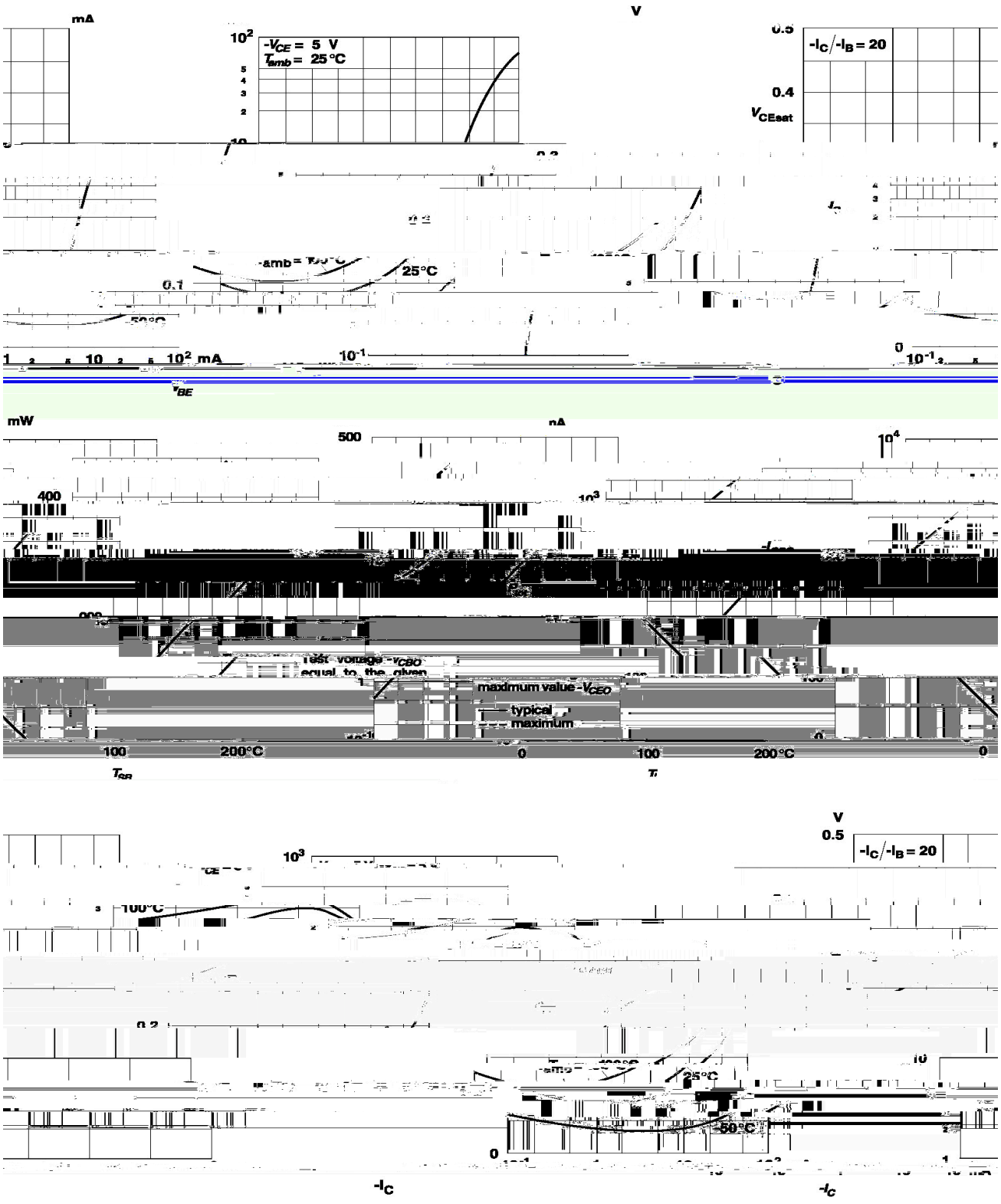
PIN1 Emitter PIN 2 Base PIN 3 Collector

/ Marking

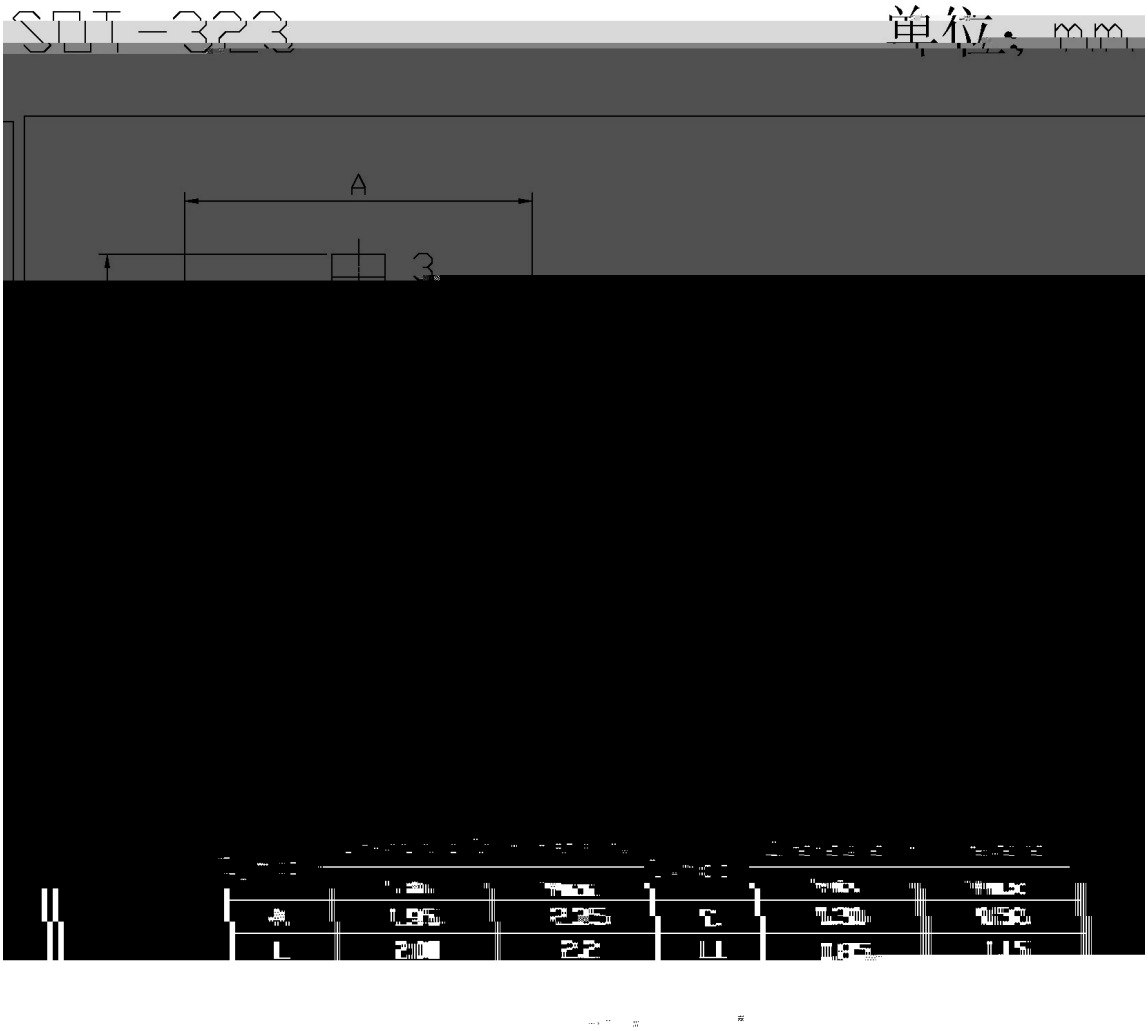
h_{FE} Classifications Symbol	A	B
h_{FE} Range	125 250	220 475
Marking	H3A	H3B

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-80	V

/ Electrical Characteristic Curve

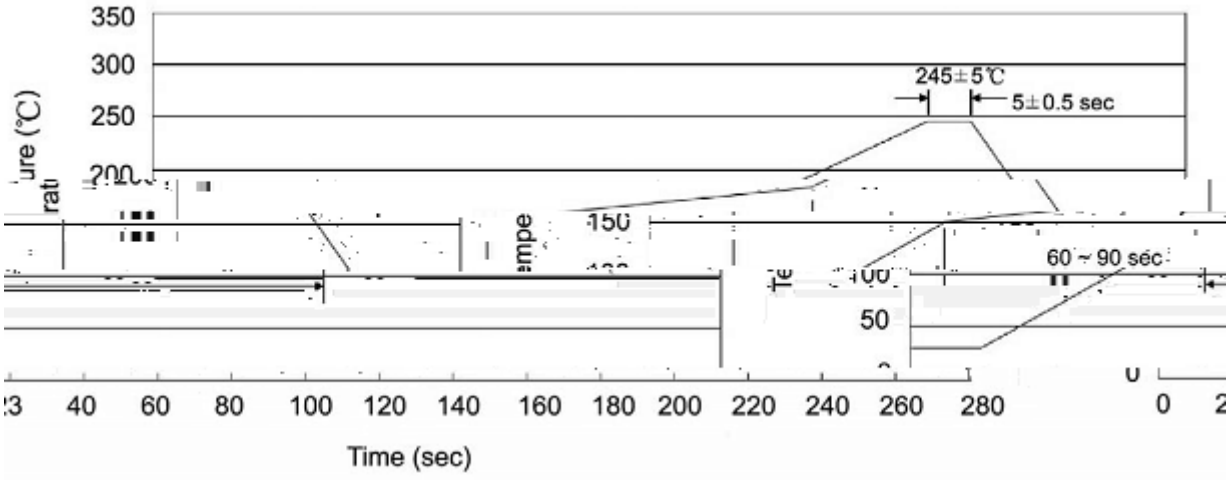


/ Package Dimensions



BC856W

( ) / 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-323	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

/ Notices