

/ Descriptions

TO-220F

NPN

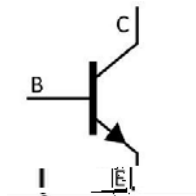
Silicon NPN transistor in a TO-220F Plastic Package.

/ Features

High speed switching, high SOA.

/ Applications

High voltage switching and amplifier applications.

/ Equivalent Circuit**/ Pinning**

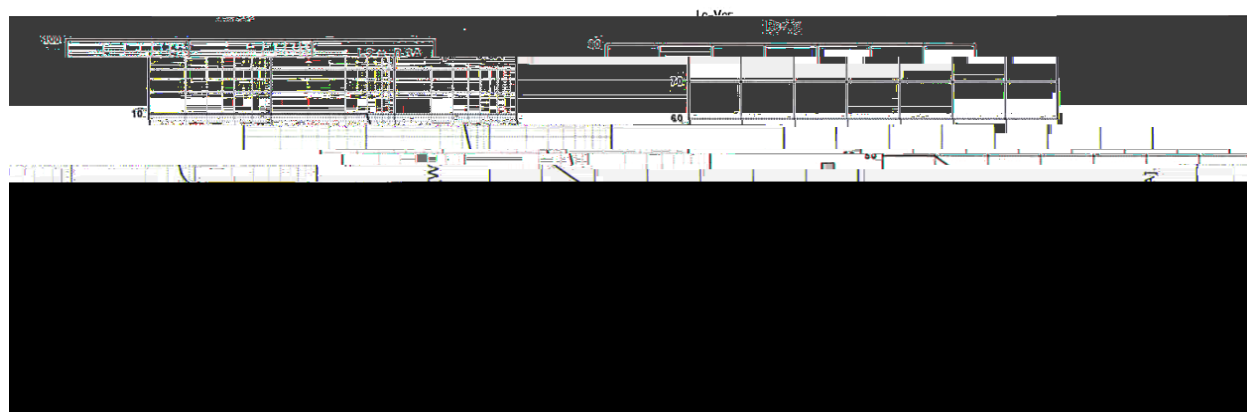
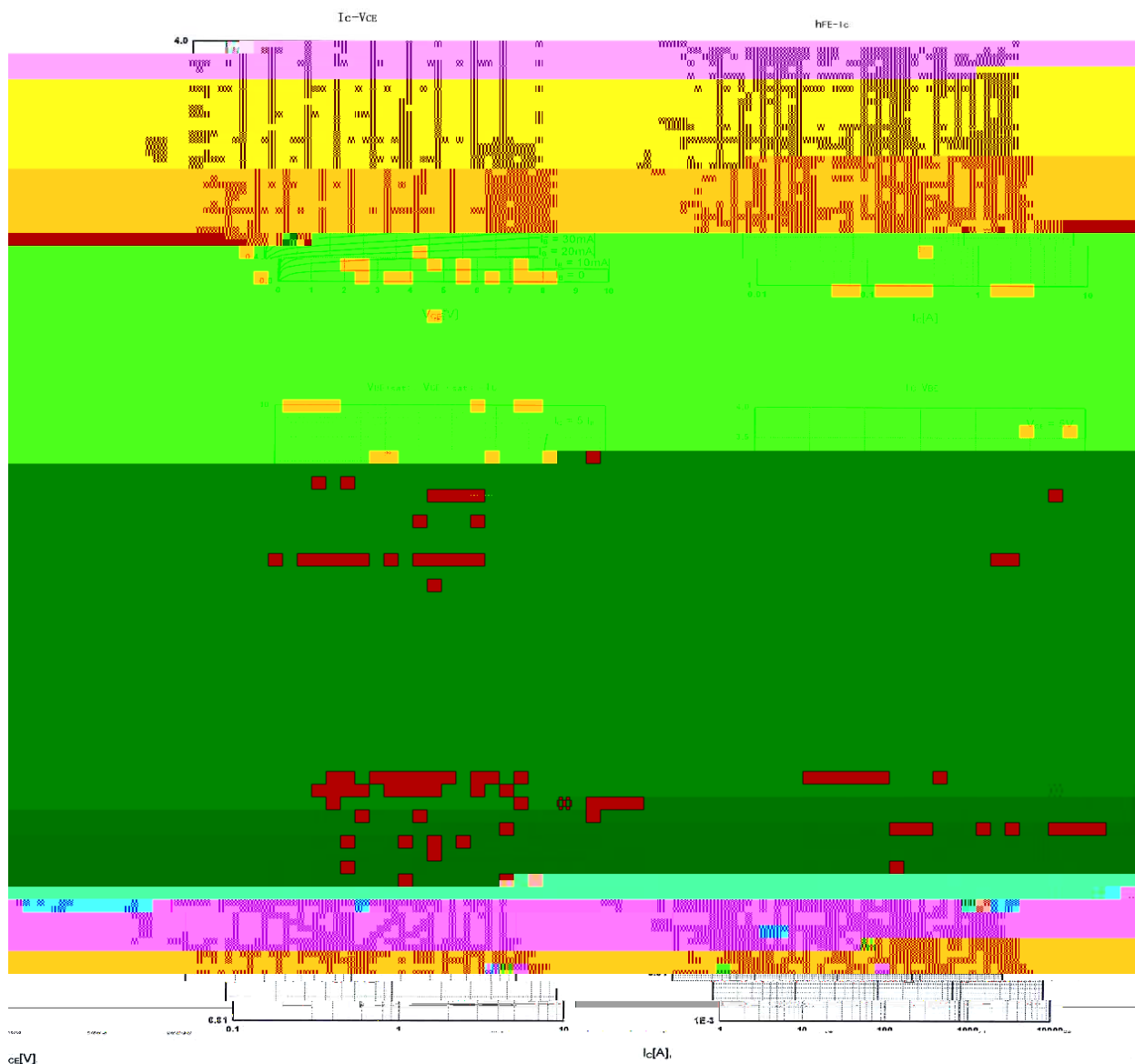
PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	N	R	O
h_{FE} Range	10 20	15 30	20 40

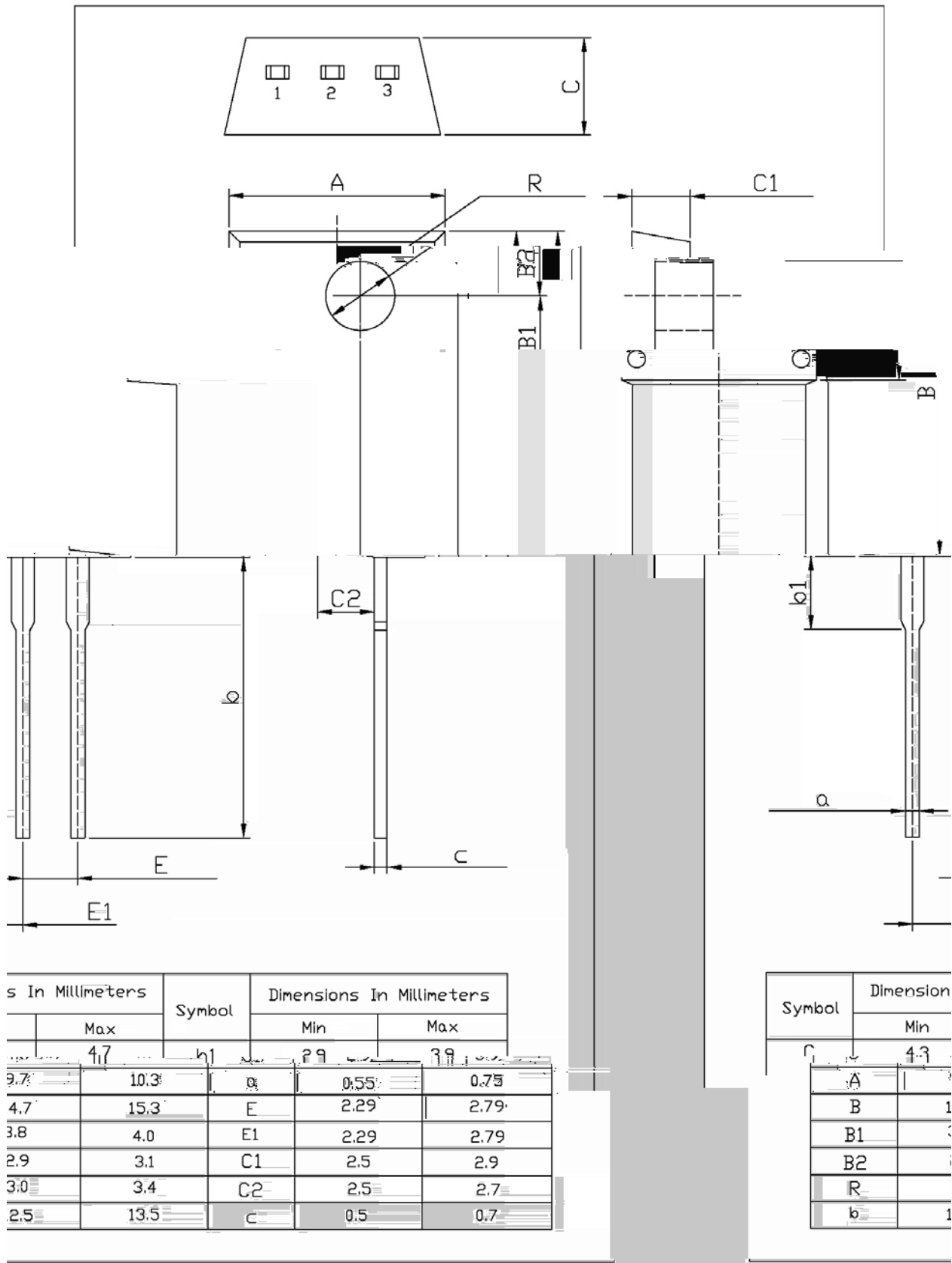
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	1100	V

/ Electrical Characteristic Curve

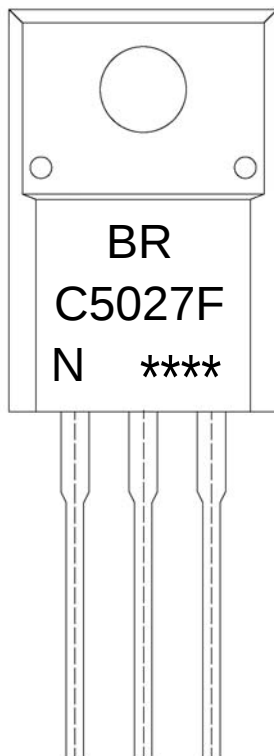


/ Package Dimensions

TO-220F 单位: mm



/ Marking Instructions



BR

C5027

N: h_{FE}

Note:

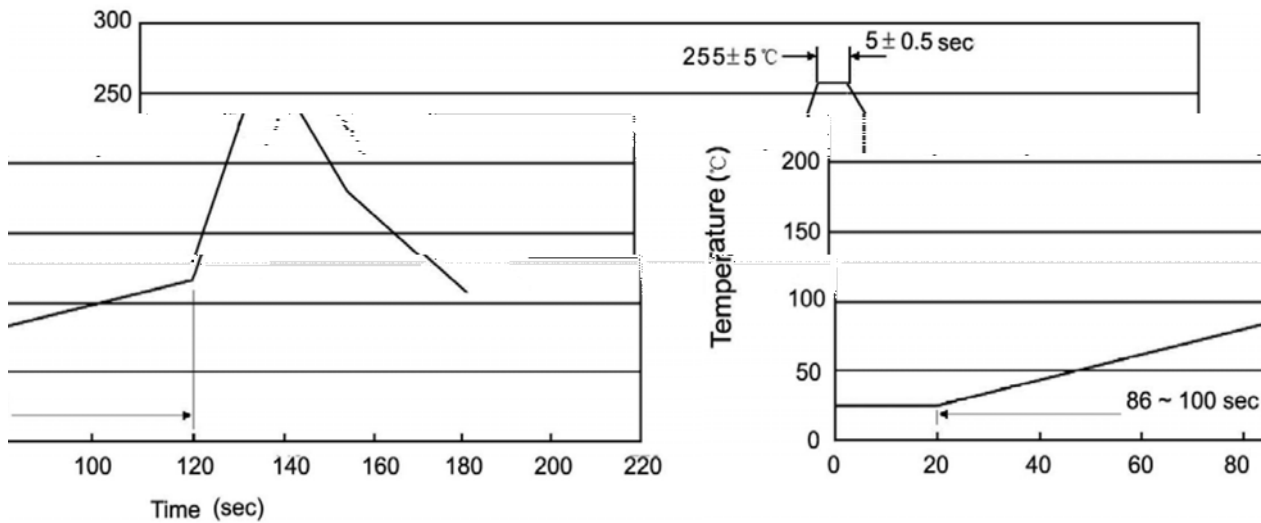
BR: Company Code.

C5027: Product Type.

N: h_{FE} Classifications Symbol

****: Lot No. Code, code change with Lot No.

() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- 1 25 150 60 90sec;
- 2 255±5 5±0.5sec;
- 3 2 10 /sec.

- 1.Preheating:25~150 , Time:60~90sec.
- 2.Peak Temp.:255±5 , Duration:5±0.5sec.
3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

270±5

10±1 sec.

Temp:270±5

Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units					Dimension (unit mm3)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

/ TUBE

Package Type	Units					Dimension (unit mm3)		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-220F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180

/ Notices