

2SD1273(A)

Rev.F Mar.-2016

/ Descriptions

TO-220F

NPN

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

/ Features

h_{FE}

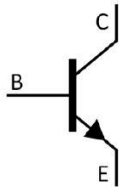
High h_{FE} , good linearity of h_{FE} .

/ Applications

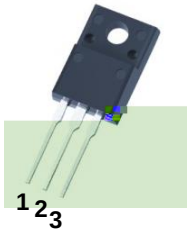
h_{FE}

Power amplifier with high forward current transfer ratio applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base

PIN 2 Collector

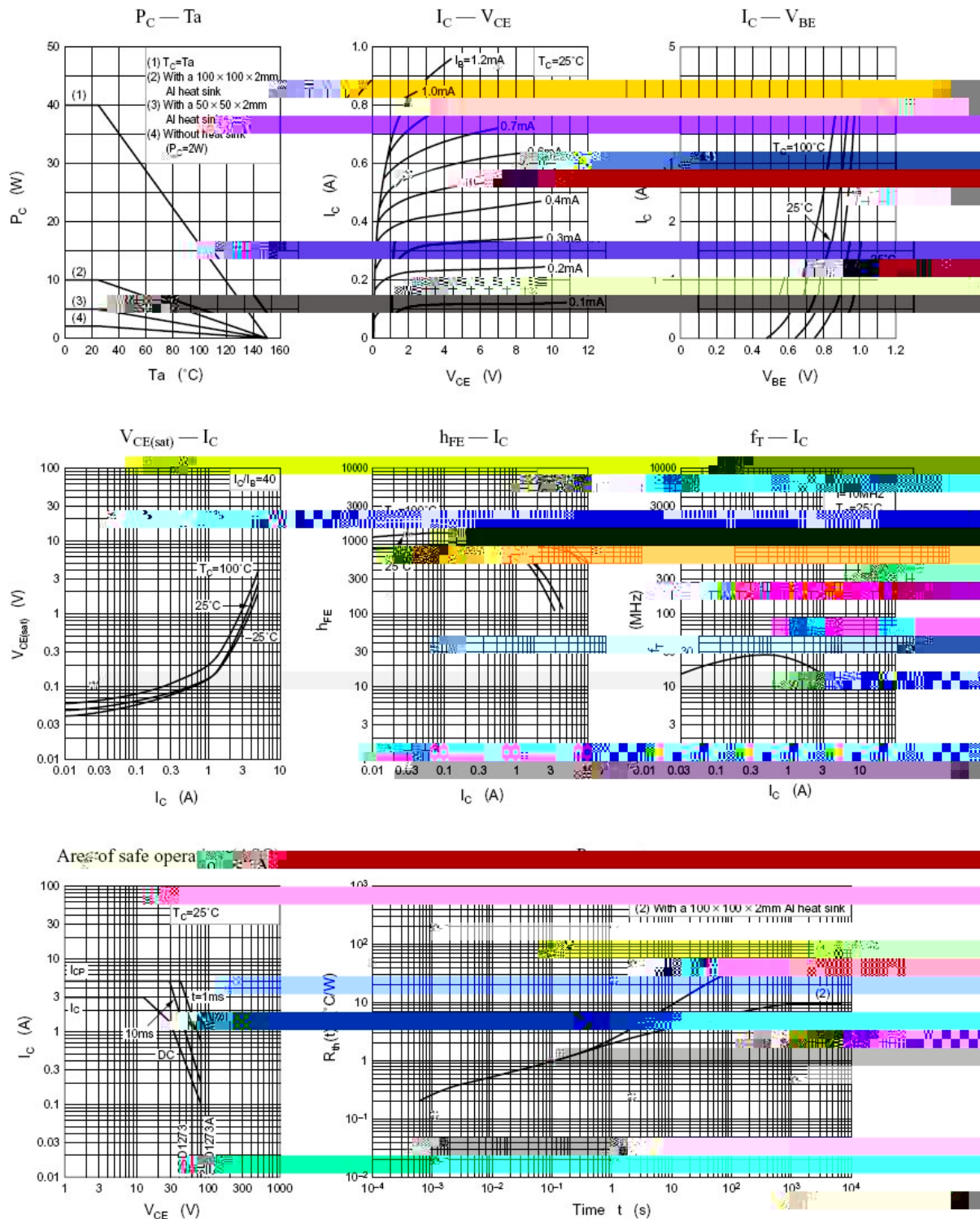
PIN 3 Emitter

/ h_{FE} Classifications & Marking

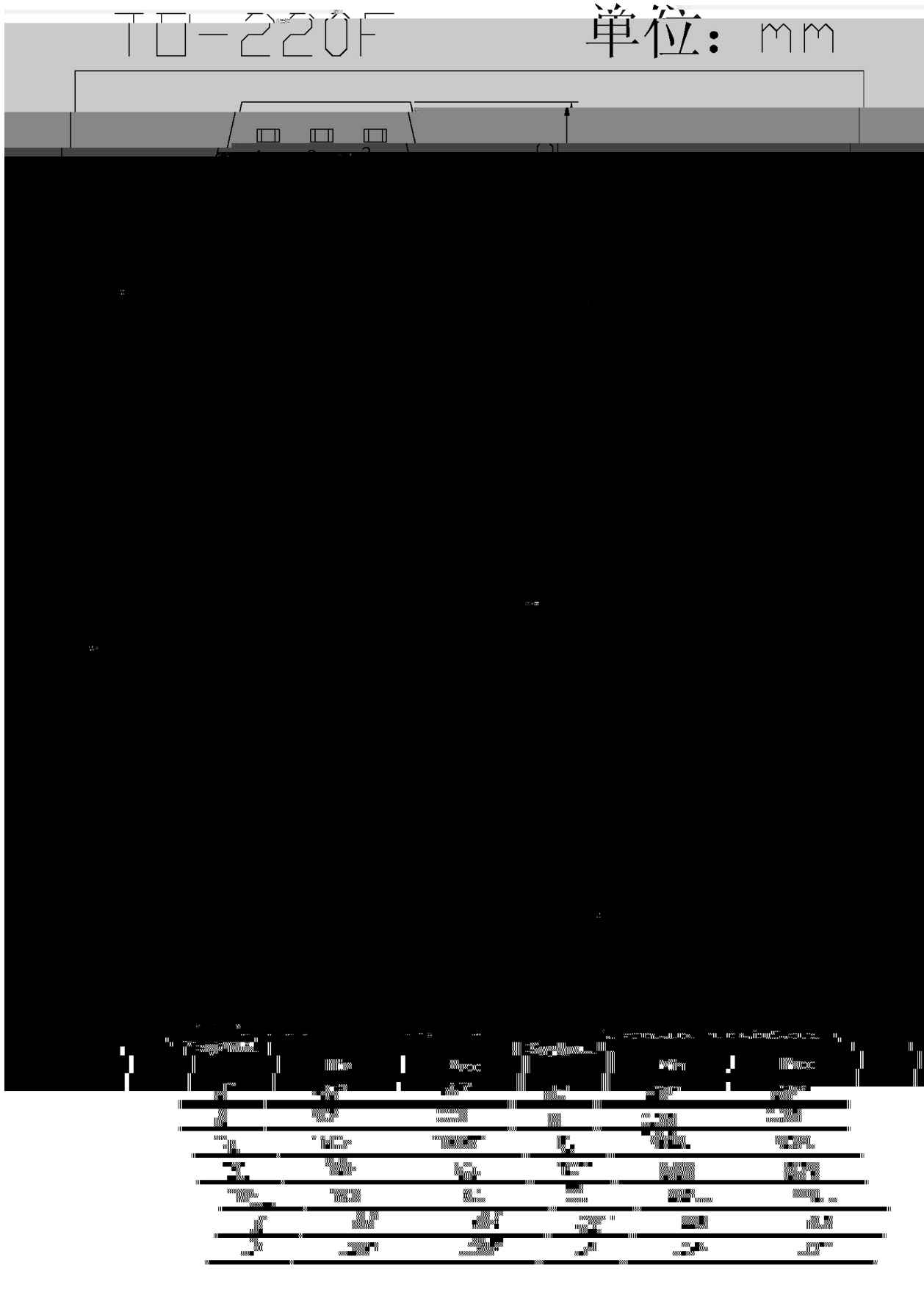
h_{FE} Classifications Symbol	Q	P	O
h_{FE} Range	500 1000	800 1500	1200 2500

Parameter	Symbol		Rating	Unit
Collector to Base Voltage	V_{CBO}	2SD1273	80	V
		2SD1273A	100	
Collector to Emitter Voltage	V_{CEO}	2SD1273	60	

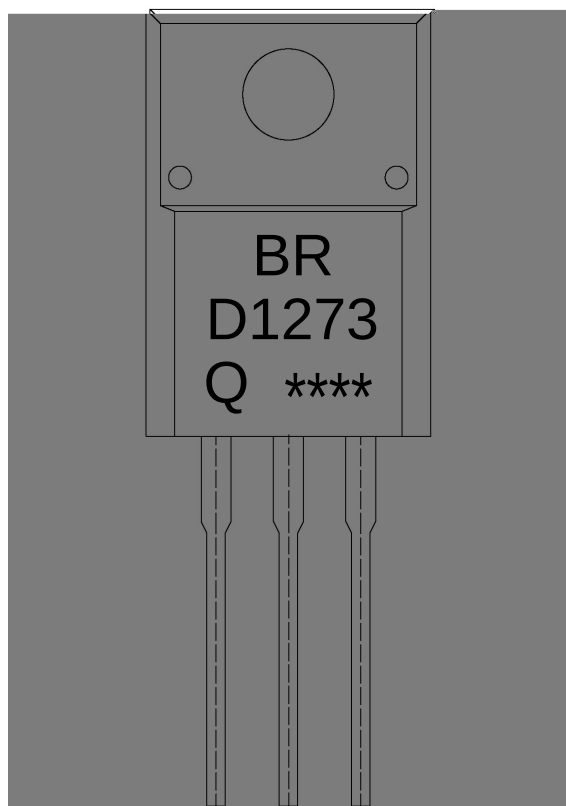
Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

D1273

Q: h_{FE}

Note:

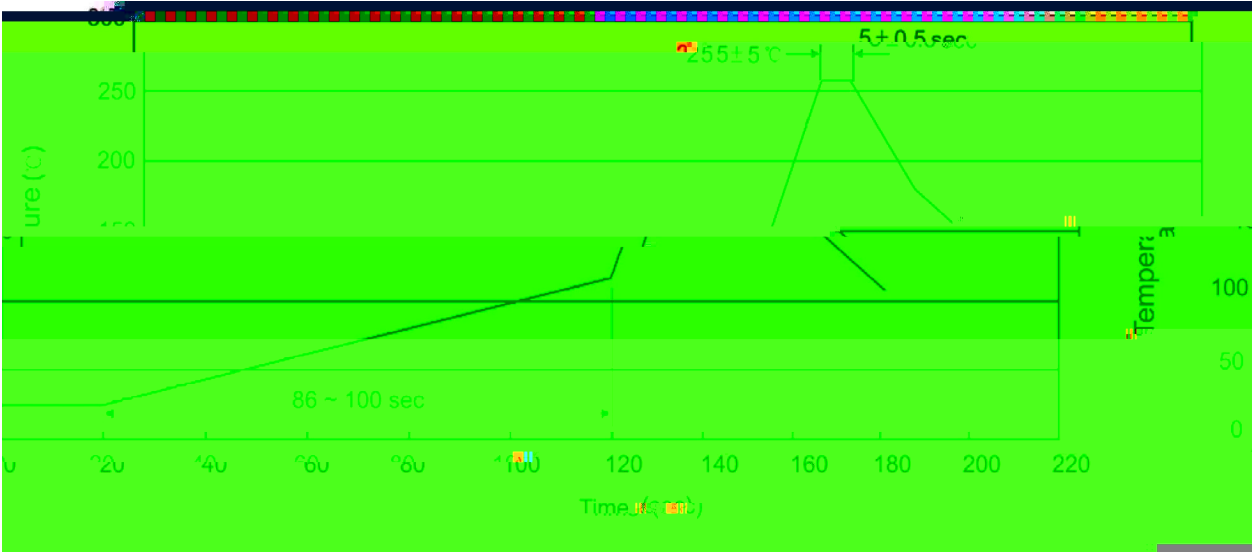
BR: Company Code.

D1273: Product Type.

Q: 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 mm ³)
	Units/Bag	Bags/Inner Box		