

/ Descriptions

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

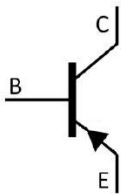
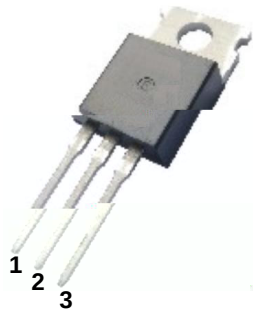
/ Features

- MJE15039

High DC current gain, High V_{CEO} , High f_T , Complementary pair with MJE15039.

/ Applications

Designed for us as high-frequency drivers in audio amplifiers.

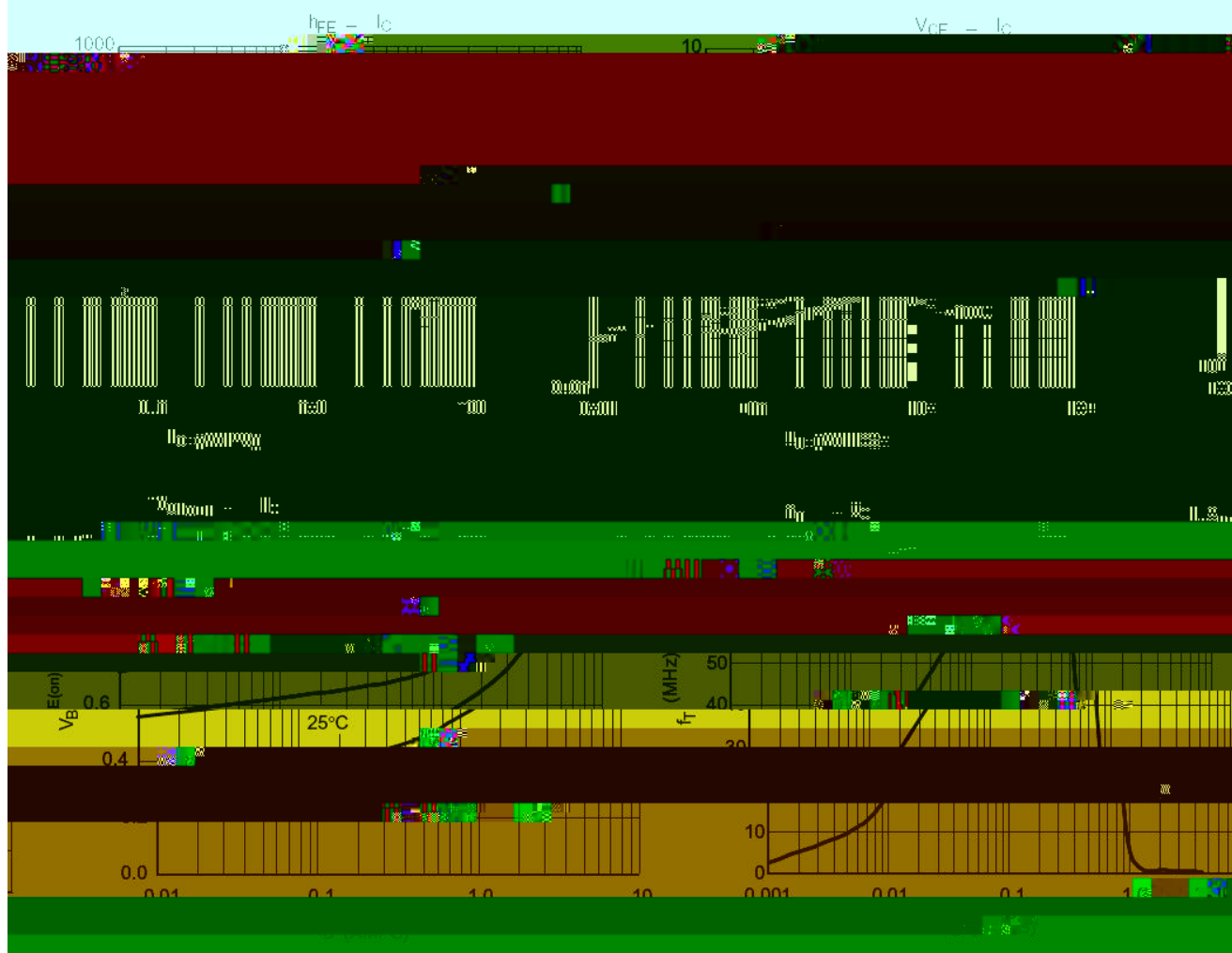
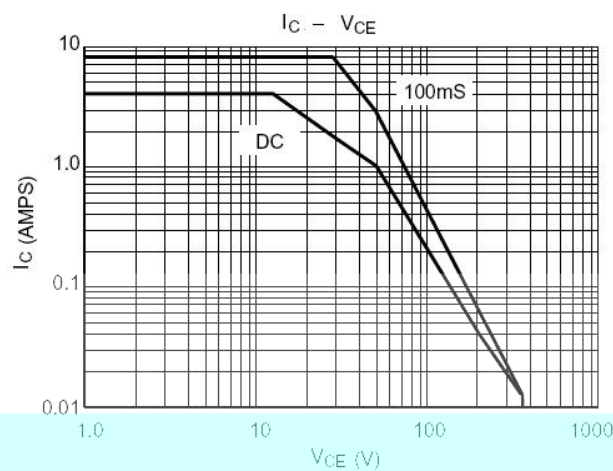
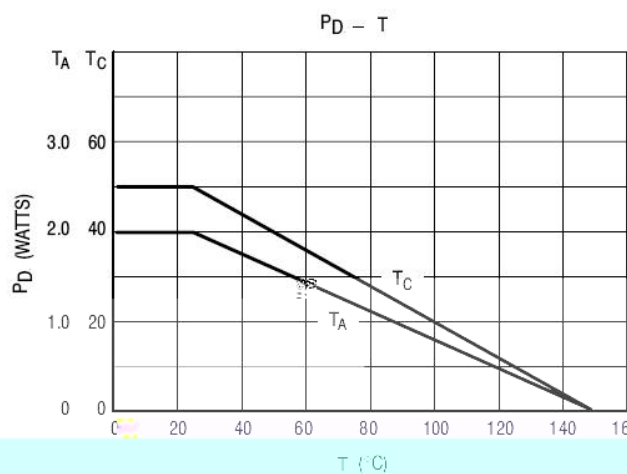
/ Equivalent Circuit**/ Pinning**

PIN1 Base PIN 2 Collector PIN 3 Emitter

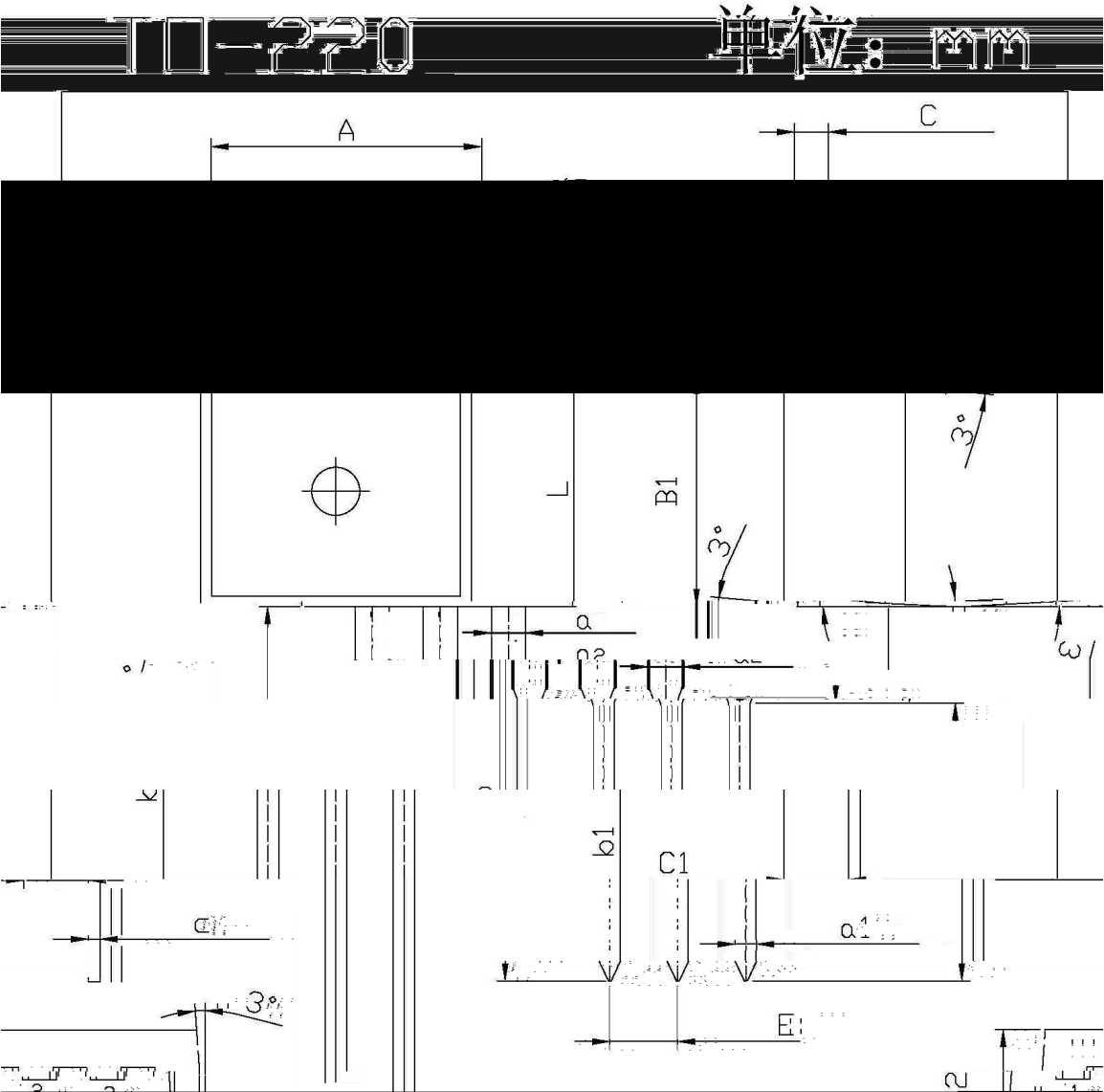
/ h_{FE} Classifications & Marking

See Marking Instructions.

/ Electrical Characteristic Curve

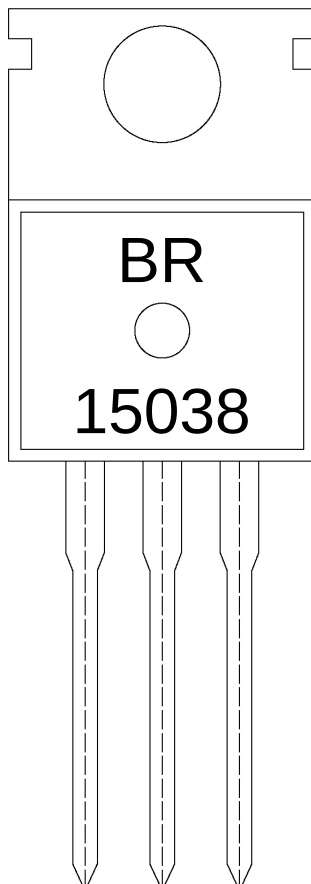


/ Package Dimensions



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	9.8	10.2	C	1.2	1.4
B1	9.0	9.4	L	15.7	
a	2.2	2.6	a1	1.25	
b1	0.4	0.6	C1	1.22	1.4
E	4.3	4.7	E	2.34	
			Q2	0.2	1.25

/ Marking Instructions



BR

15038

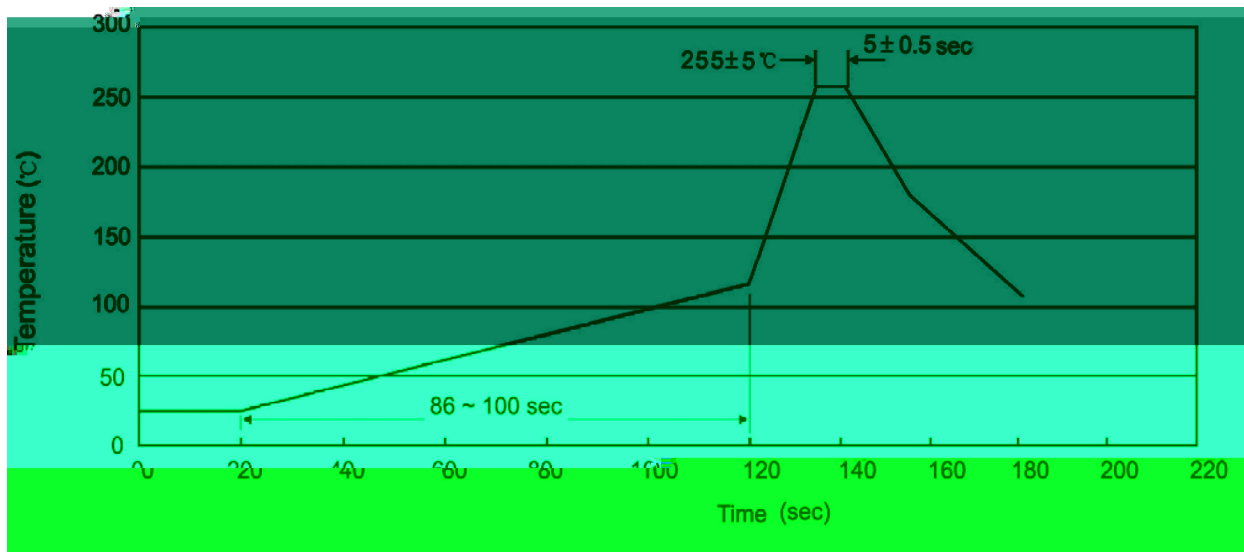
Note:

BR: Company Code

15038: Product Type.

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

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



Note:

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

/ TUBE

Package Type	Units					Dimension		(unit mm ³)

/ Notices