

/ Descriptions

TO-92 NPN Silicon NPN transistor in a TO-92 Plastic Package.

/ Features

PC, IC , 8550

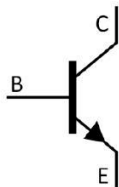
High PC and IC, complementary pair with 8550.HF Product.

/ Applications

2W

2W output amplifier of portable radios in class B push-pull operation.

/ Equivalent Circuit



/ Pinning



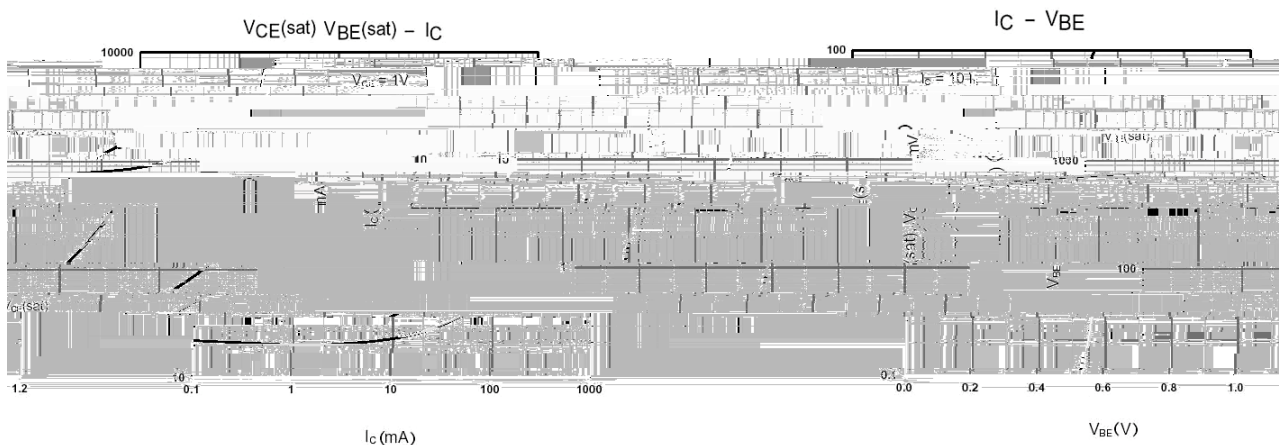
1 2 3

PIN1 Collector PIN 2 Base PIN 3 Emitter

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	B	C	D
h_{FE} Range	85~160	120~200	160~300

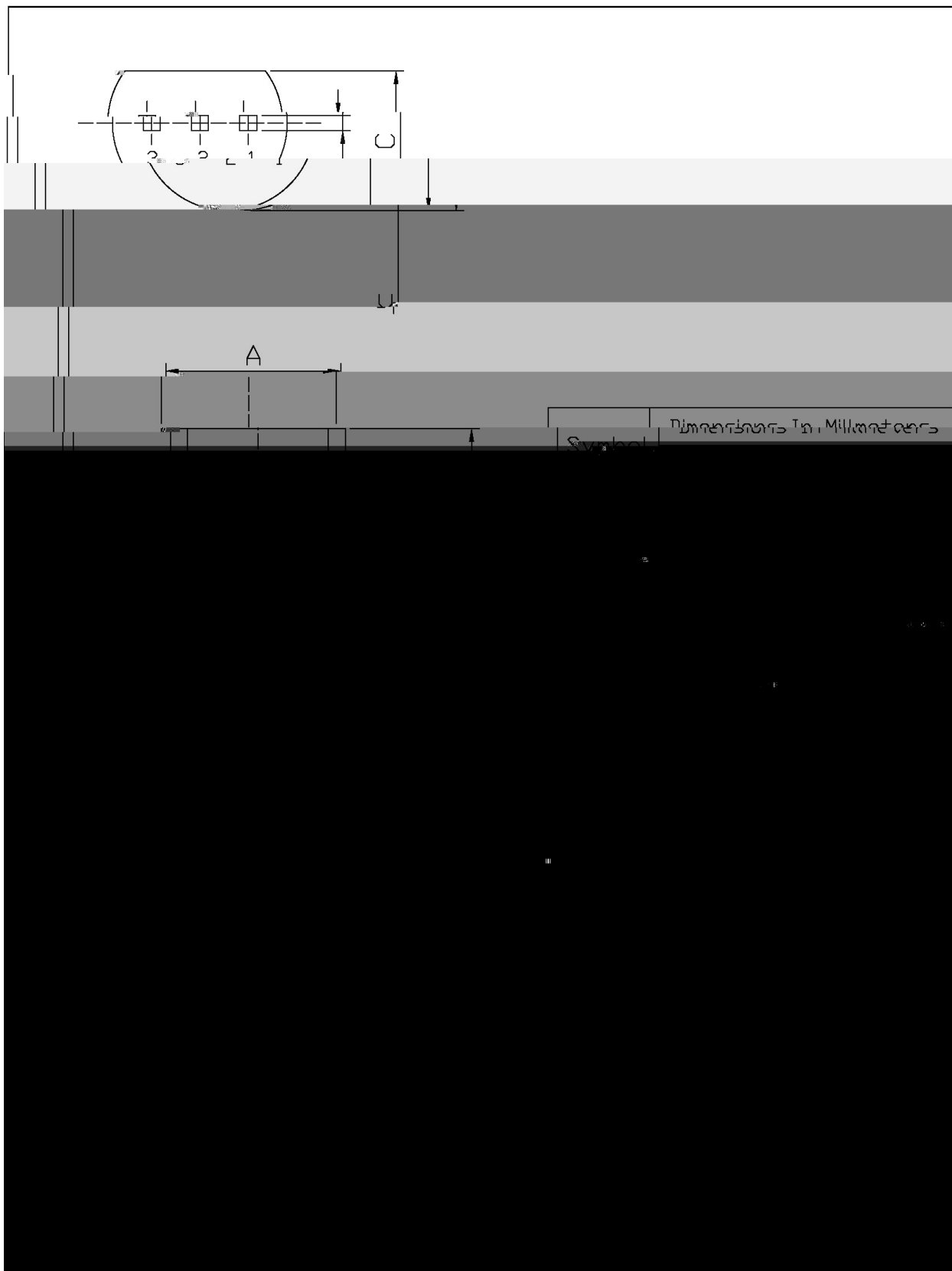
/ Electrical Characteristic Curve



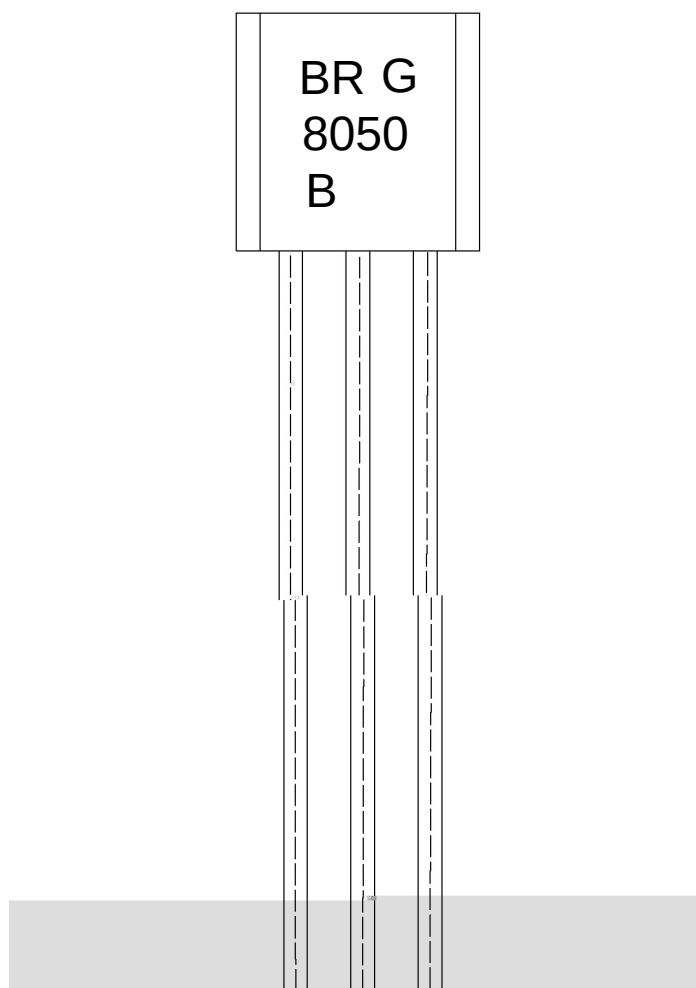
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR

G:

8050

B: h_{FE}

Note:

BR: Company Code.

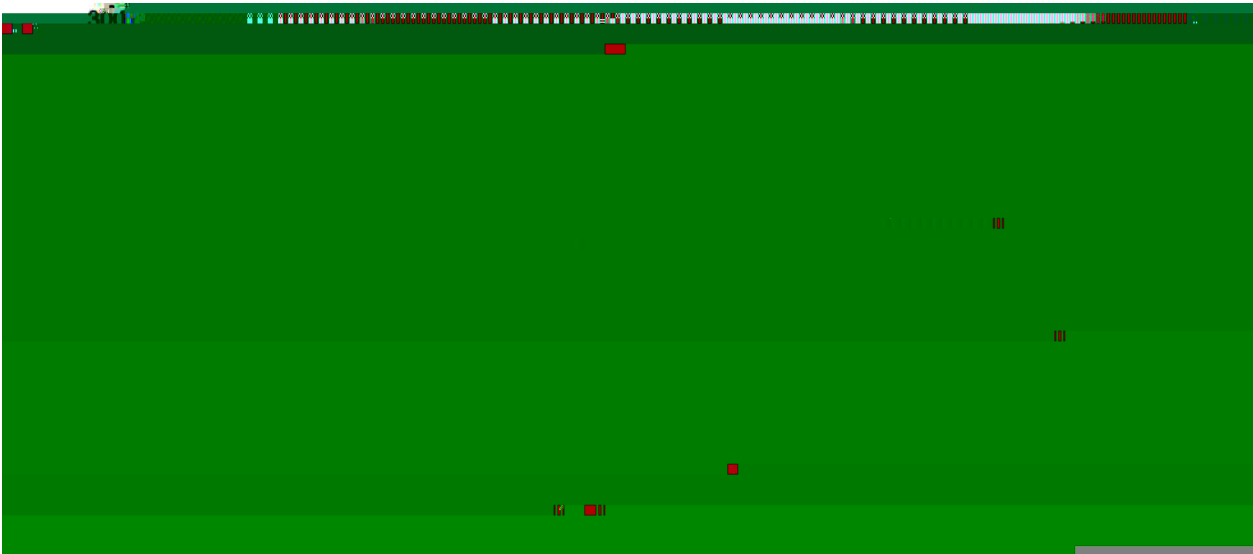
G: Halogen Free Product

8050: Product Type.

B: 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:2143270±5

Box e