

8050G

Rev.E Mar.-2016

/ Descriptions

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

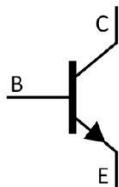
/ Features

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

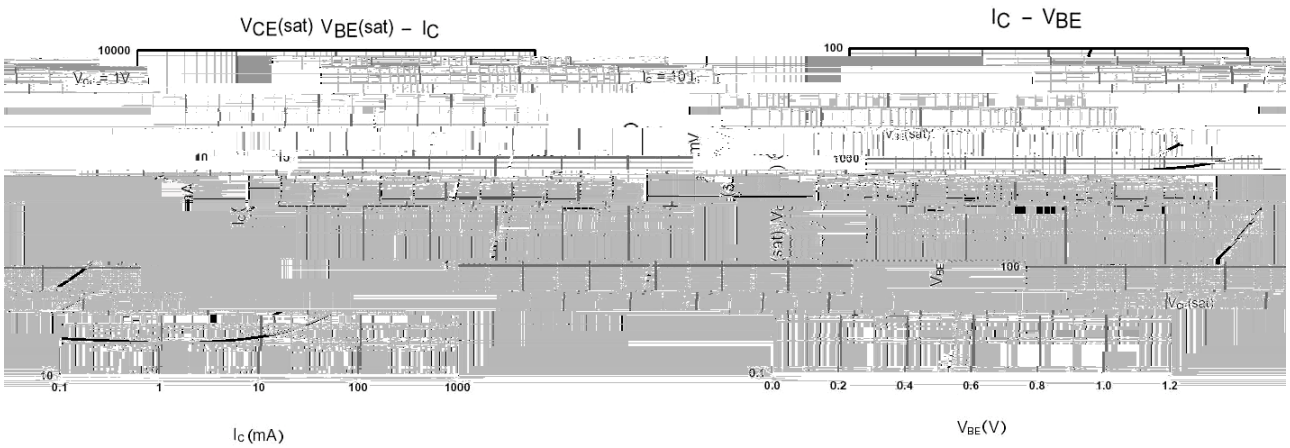
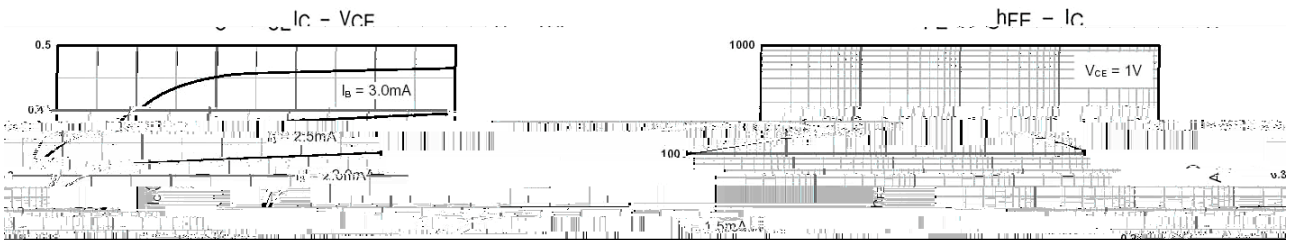


1 2 3
PIN1 Collector PIN 2 Base PIN 3 Emitter

/ h_{FE} Classifications & Marking

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

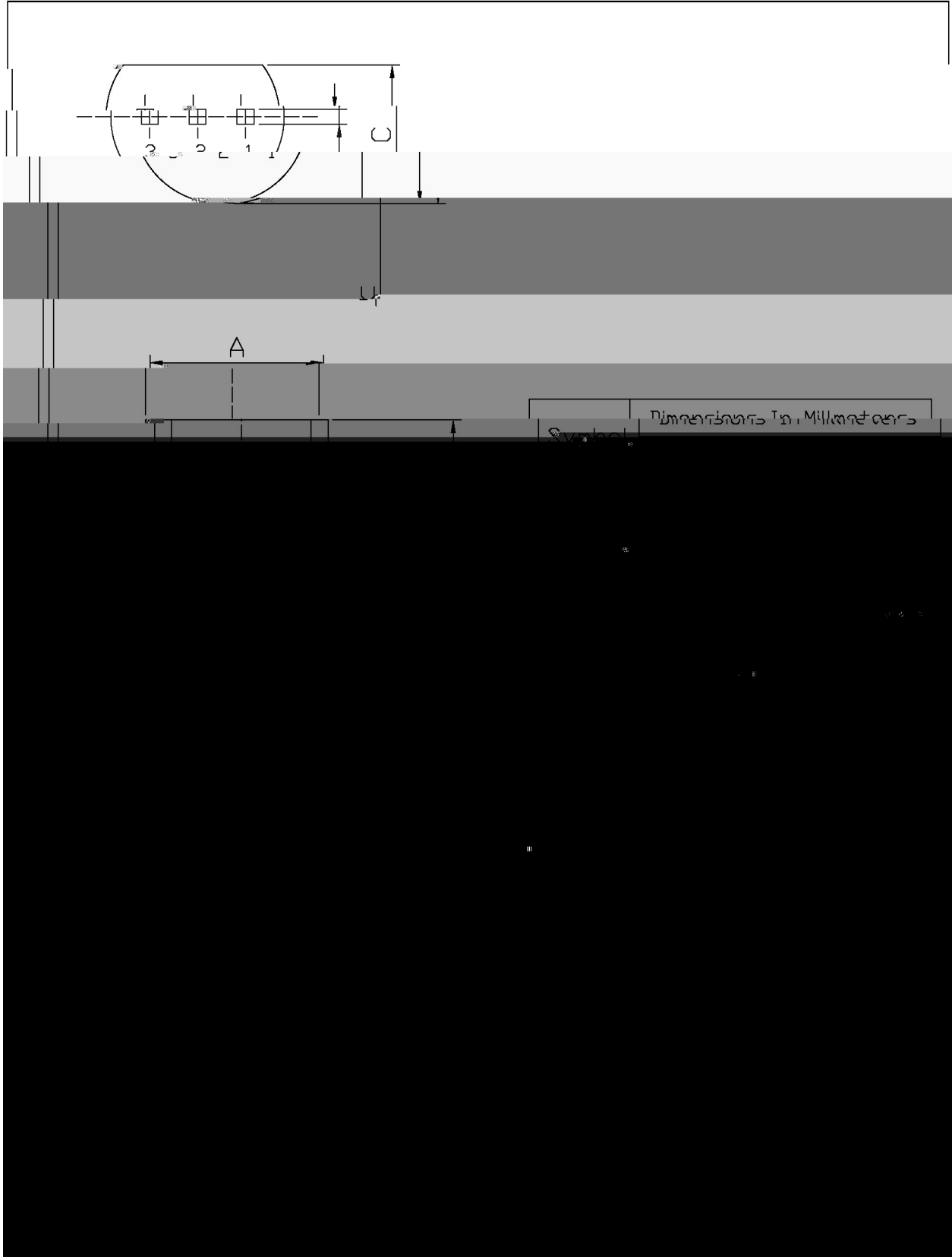
/ Electrical Characteristic Curve



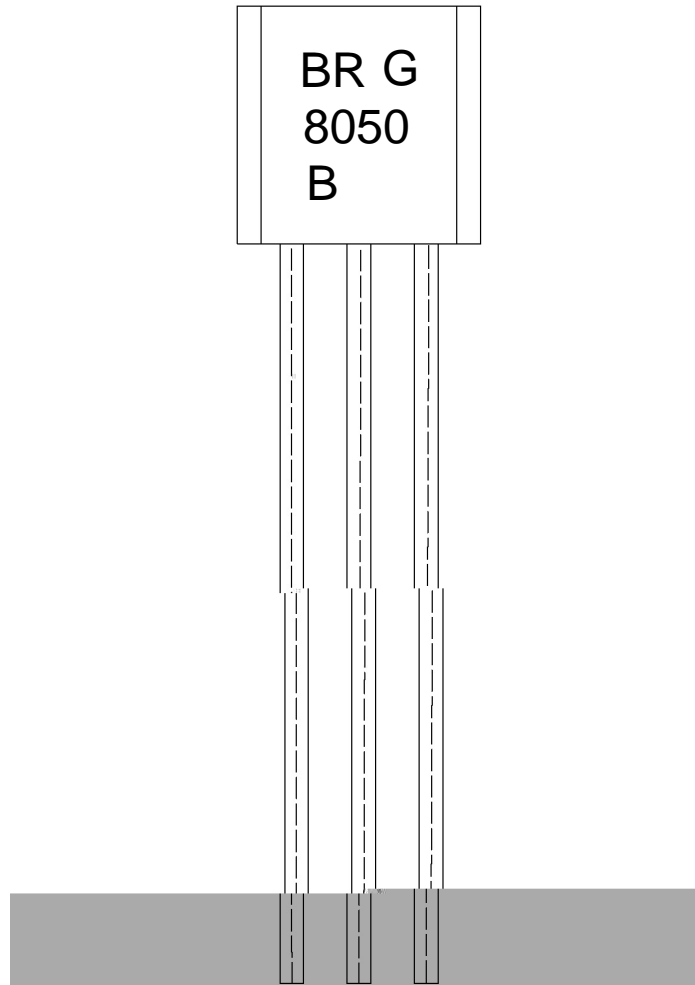
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR

G:

8050

B: h_{FE}

Note:

BR: Company Code.

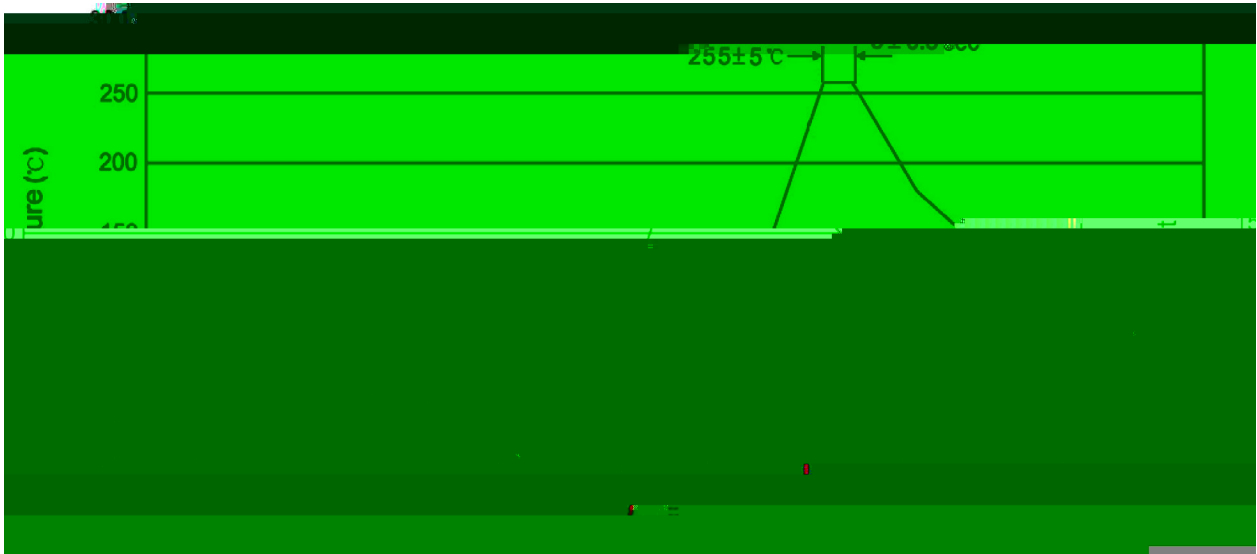
G: Halogen Free Product

8050: Product Type.

B: h_{FE} Classifications Symbol.

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

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



- | | | | | | | |
|---|-------|-----|-------|--------|-------|--|
| 1 | 25 | 150 | 60 | 90sec; | Note: | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255±5 | | 5±0.5 | sec; | | 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