

# 8050G

Rev.E Mar.-2016

## / Descriptions

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

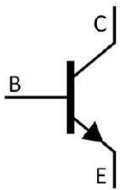
## / Features

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



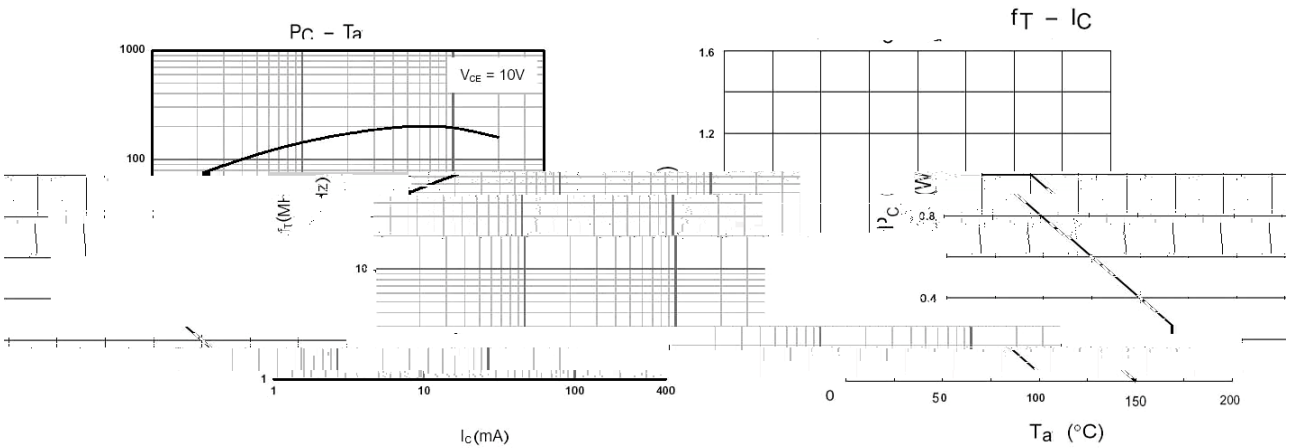
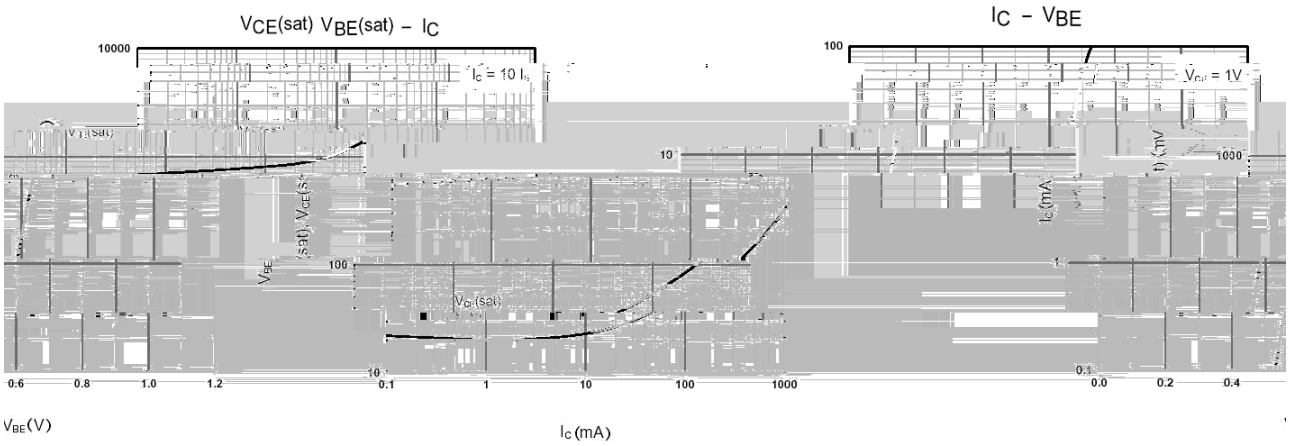
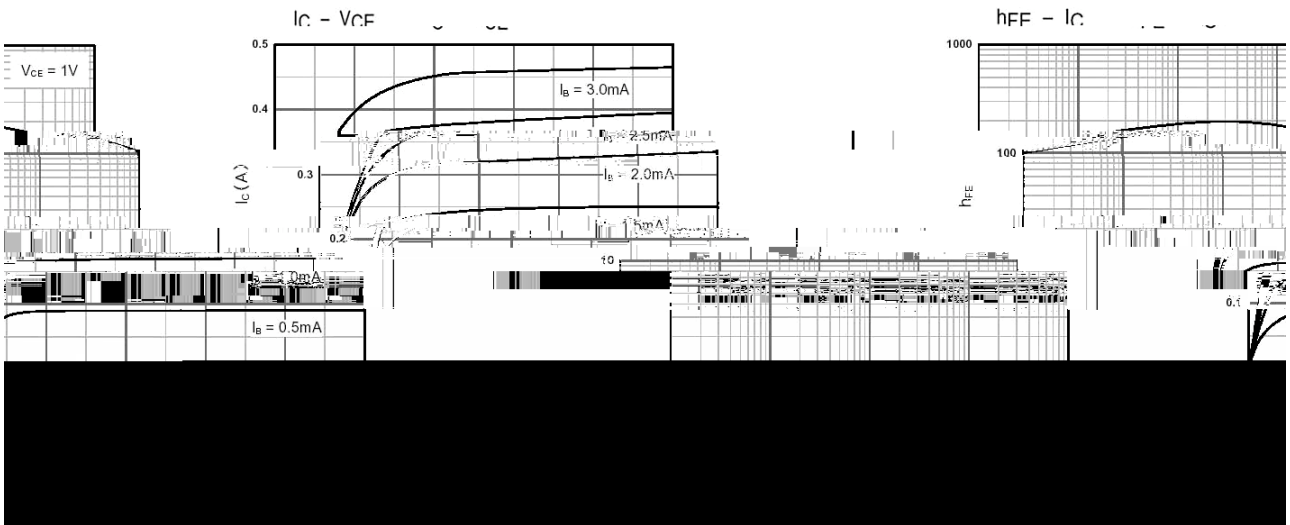
PIN1   Collector          PIN 2   Base          PIN 3   Emitter

## / $h_{FE}$ Classifications & Marking

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



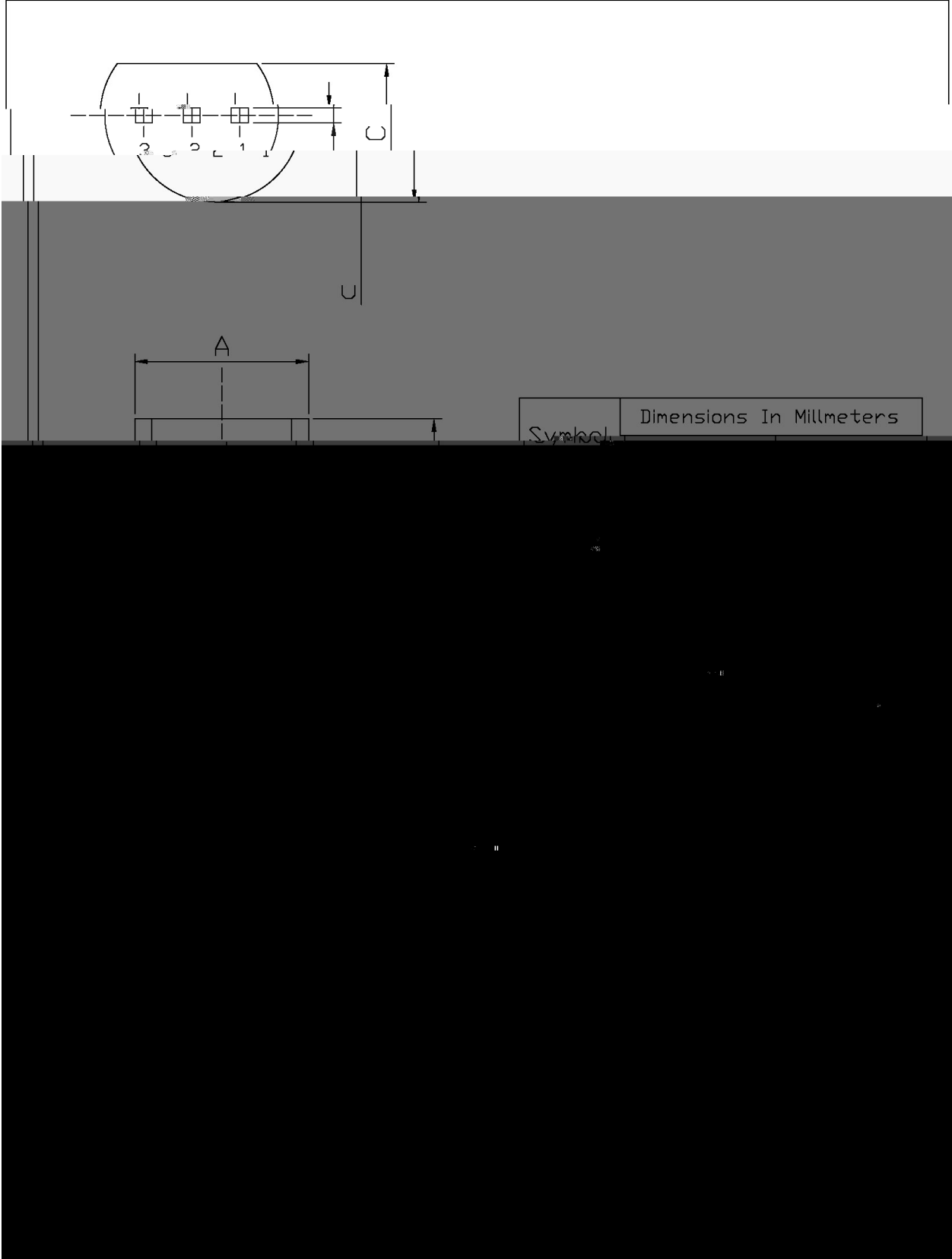
/ Electrical Characteristic Curve



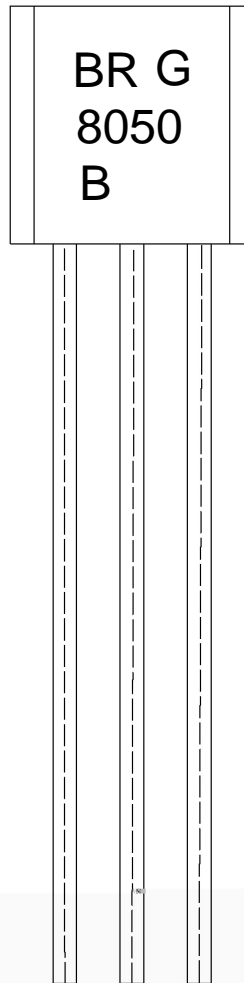
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR

G:

8050

B:  $h_{FE}$

\*\*\*\*

Note:

BR: Company Code.

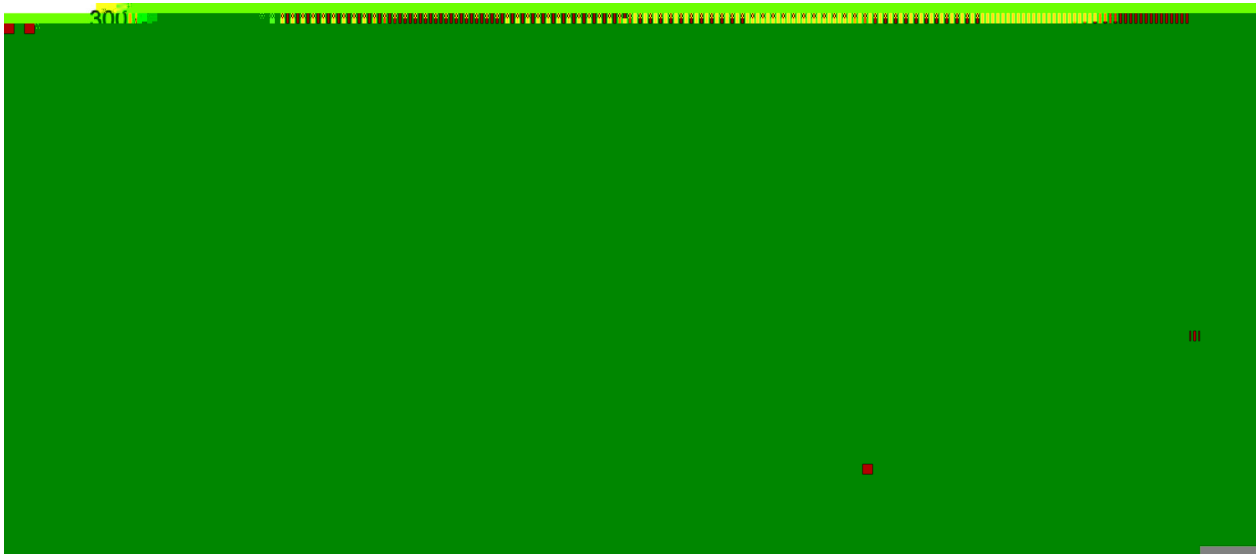
G: Halogen Free Product

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±0.5sec; |        | 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℃