## / Descriptions

TO-92(R) NPN Silicon NPN transistor in a TO-92(R) Plastic Package.

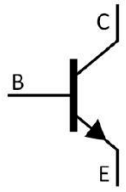
## / Features

High Voltage, Low Noise.

## / Applications

General purpose and switching application.

## / Equivalent Circuit




## / Pinning




PIN1 Emitter PIN 2 Base PIN 3 Collector

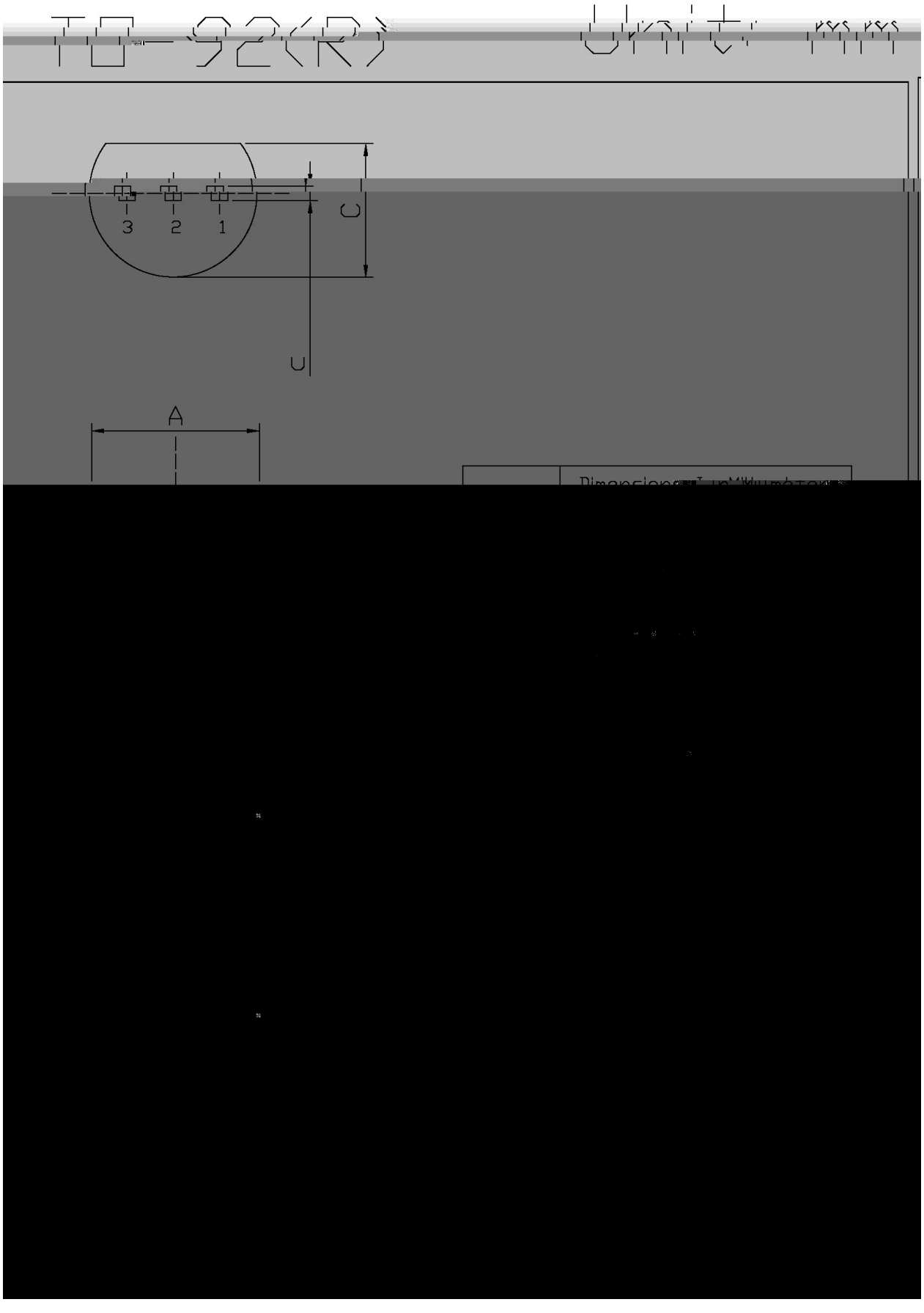
## / $h_{FE}$ Classifications & Marking

| $h_{FE}$ Classifications Symbol | A | B | C |
|---|---|---|---|
| $h_{FE}$ Range | 110 220 | 200 450 | 420 800 |

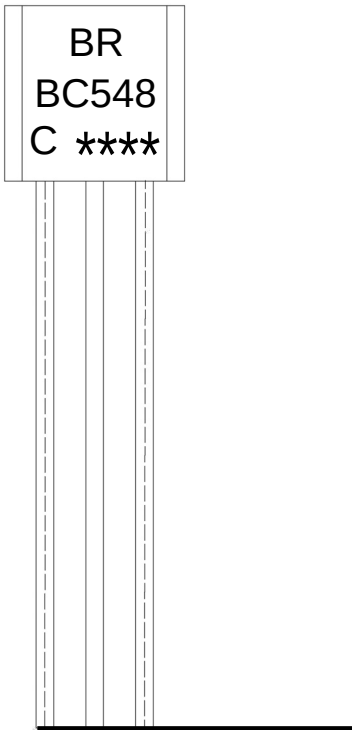
| Parameter | Symbol |
| --- | --- |

**BC548**

## / Package Dimensions



## / Marking Instructions




BR

BC548

C $h_{FE}$

****

Note:

BR: Company Code.

BC548: Product Type.

C $h_{FE}$ Classifications Symbol

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

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




| | | | | |
|---|---|---|---|---|
| | | | | Note: |
| 1 | 25 150 | | 60 90sec; | 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 mm3) |
|---|---|---|---|---|---|---|---|---|
| | Units/Bag / | Bags/Inner Box / | Units/Inner Box / | Inner Boxes/Outer Box / | Units/Outer Box / | Bag | Inner Box | Outer Box |
| TO-92 | 1,000 | 10 | 10,000 | 5 | 50,000 | 135×190 | 237×172×102 | 560×245×195 |
| | 1,000 | 10 | 10,000 | 10 | 100,000 | 135×190 | 237×172×102 | 560×245×375 |

### / AMMO

| Package Type | Units | | | | | Dimension | (unit mm3) |
|---|---|---|---|---|---|---|---|
| | Units/tape / | Tape/Inner Box / | Rows/Inner Box / | Inner Boxes/Outer Box / | Units/Outer Box / | Inner Box | Outer Box |
| TO-92 | 3,000 | 1 | 120 | 10 | 30,000 | 328×230×42 | 480×346×235<br>547×407×268 |

## / Notices