

**/ Descriptions**

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

**/ Features**

Small package, high voltage, high  $h_{FE}$ , excellent  $h_{FE}$  linearity, low noise, Complementary pair with 2SC2458.

**/ Applications**

Audio frequency amplifier applications.

**/ Equivalent Circuit**



**/ Pinning**



PIN1 Base          PIN 2 Collector          PIN 3 Emitter

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

$h_{FE}$ Classifications Symbol	O	Y	GR
$h_{FE}$ Range	70~140	120~240	200~400

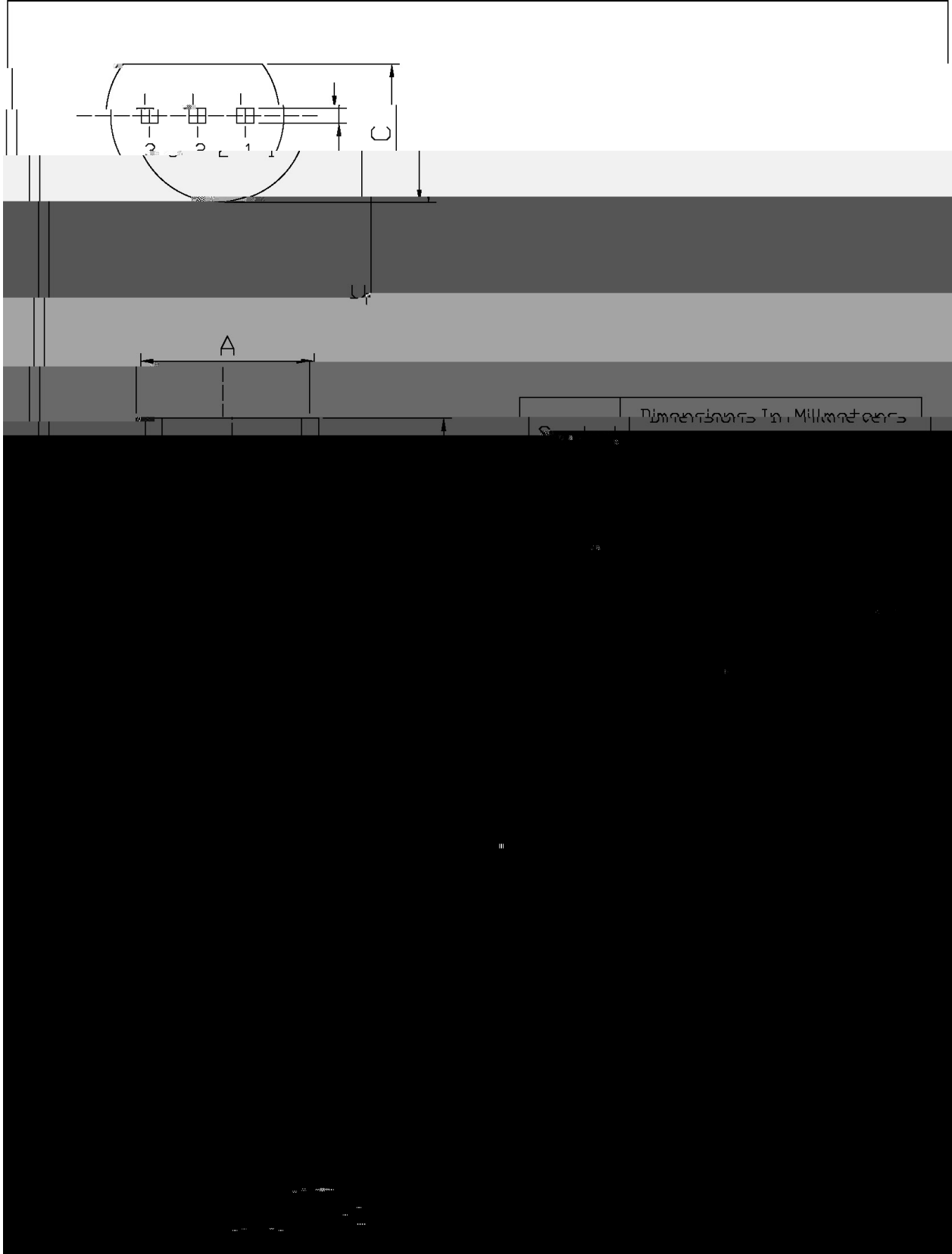
**2SA1048**  
Rev.EMar.-2016



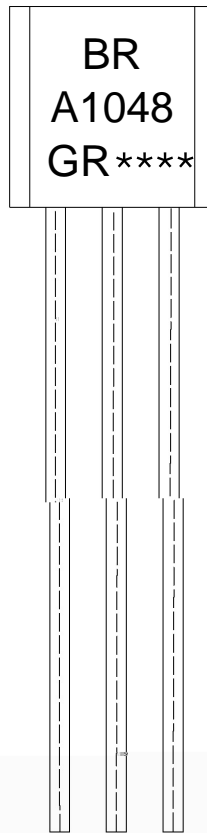
/ Package Dimensions

T0-92

Unit: mm



/ Marking Instructions



BR:

A1048

GR:  $h_{FE}$

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Note:

BR: Company Code.

A1048: Product Type.

GR:  $h_{FE}$  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                      Time:1                      -TD7(me 1                      T19D25T