

**/ Descriptions**

KF \$0) E GE Silicon NPN transistor in a TO-92 Plastic Package.

**/ Features**

High frequency.

**/ Applications**

High frequency amplifier.

**/ Equivalent Circuit**



**/ Pinning**



PIN1 Base PIN 2 Collector PIN 3 Emitter

**/ hFE Classifications & Marking**

h <sub>FE</sub> Classifications Symbol	E	F	G	H	I
h <sub>FE</sub> Range	40~59	54~80	72~108	97~146	132~200

RPG

Parameter

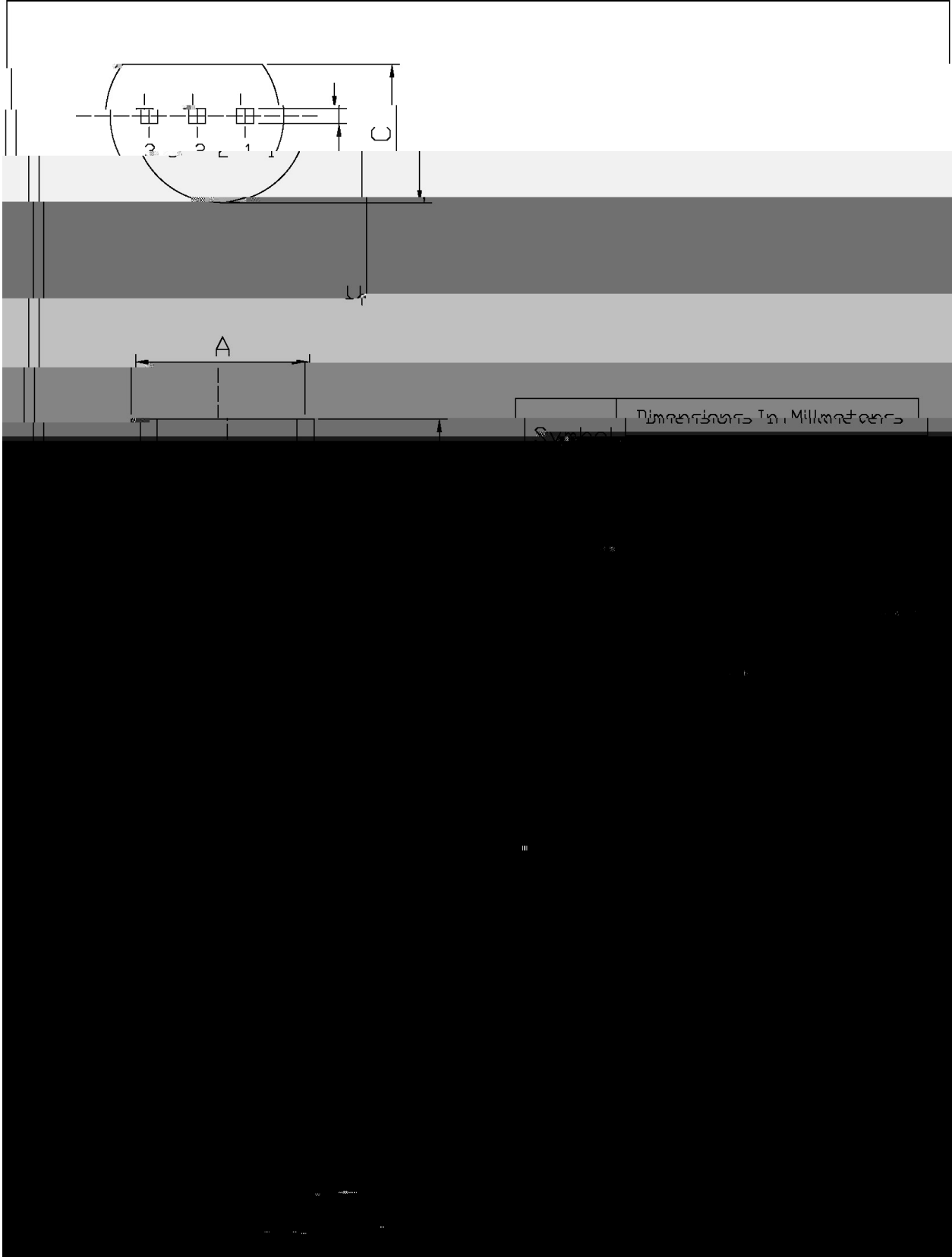
Symbol

**2SC1417**  
Rev.E Mar.-2016

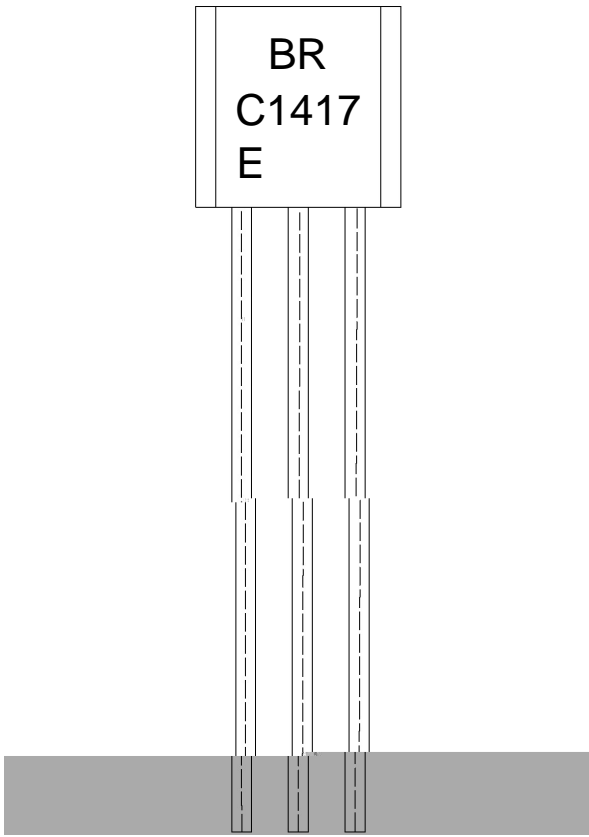
/ Package Dimensions

TO-92

Unit: mm



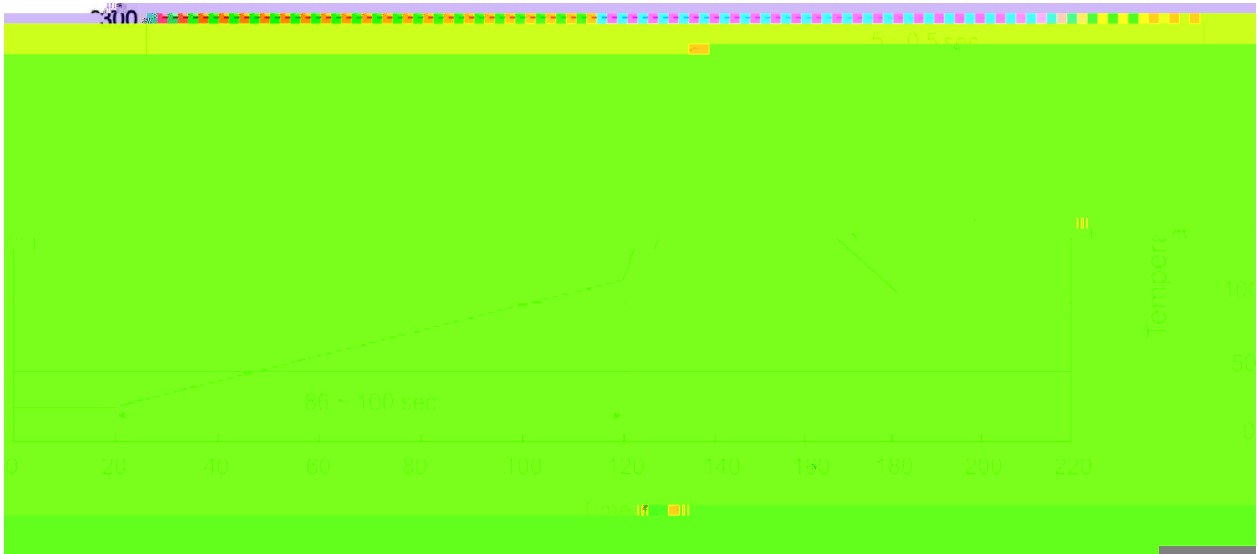
/ Marking Instructions



9| 1  
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- Note:
- BR: Company Code.
  - C1417: Product Type.
  - E:  $h_{FE}$  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 314                      0