## / Descriptions

WR0<5 QSQ Silicon NPN transistor in a TO-92 Plastic Package.

## / Features

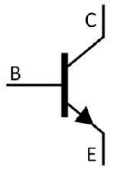
/ $f_W$ / 5VD434 ; +D,

High $V_{CEO}$, high $f_T$ ,Complementary pair with 2SA1018(A).

## / Applications

General amplifier applications.

## / Equivalent Circuit




## / Pinning




PIN1 Base PIN 2 Collector PIN 3 Emitter

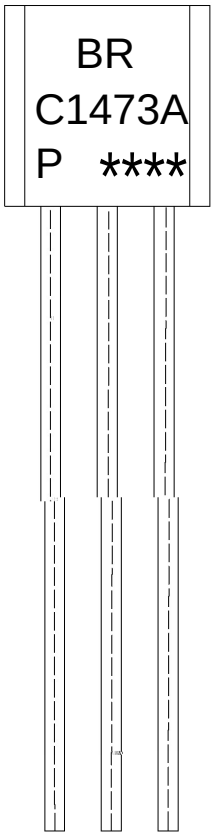
## / hFE Classifications & Marking

| $h_{FE}$ Classifications Symbol | P | Q | R |
|---|---|---|---|
| $h_{FE}$ Range | 30~100 | 60~150 | 100~220 |

| Parameter | Symbol | | Rating | Unit |
|---|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | 2SC1473 | 250 | V |
| | | 2SC1473A | 300 | |
| Collector to Emitter Voltage | $V_{CEO}$ | 2SC1473 | 200 | V |
| | | 2SC1473A | 300 | |

http://www.fsbrec.com

## / Marking Instructions




EU= И

F47 : 6D N

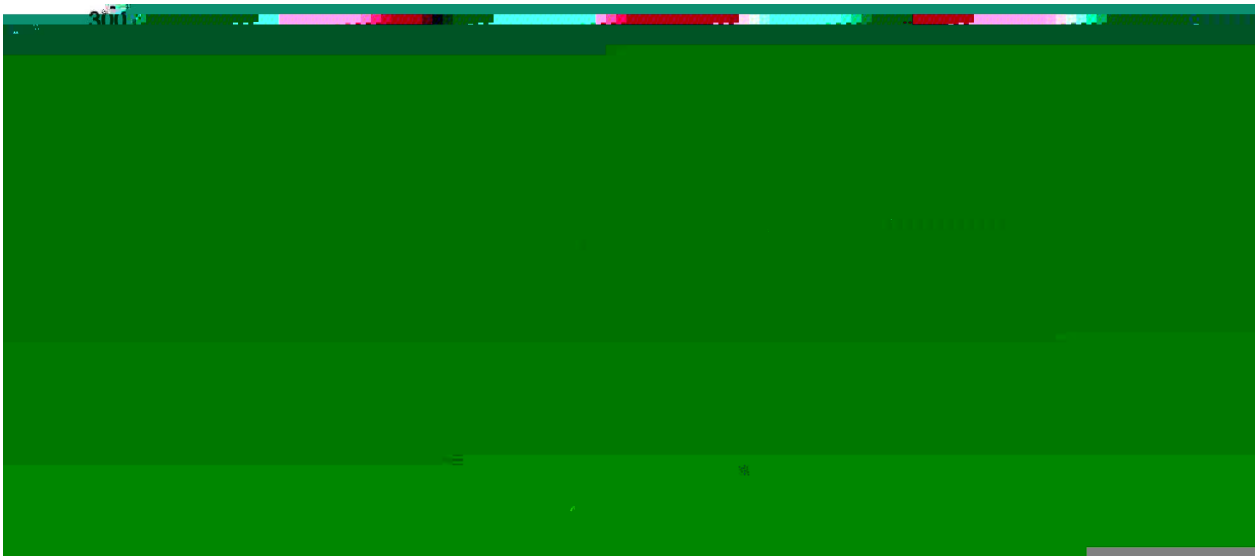
S= $h_{IH}$

---- N N

Note:

| | |
|---|---|
| BR: | Company Code. |
| C1473A: | Product Type. |
| P: | $h_{FE}$ 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