

**/ Descriptions**

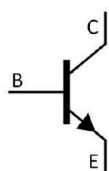
WR0<5      QSQ      Silicon NPN transistor in a TO-92 Plastic Package.

**/ 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**

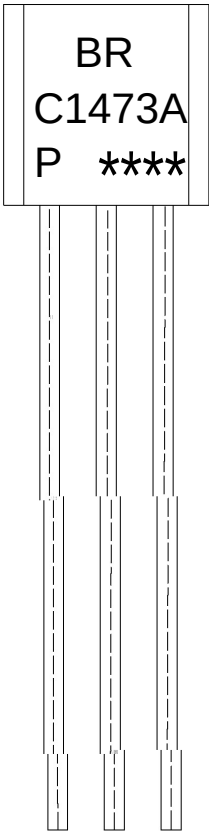
| $h_{FE}$ Classifications<br>Symbol | P      | Q      | R       |
|------------------------------------|--------|--------|---------|
| $h_{FE}$ Range                     | 30~100 | 60~150 | 100~220 |

| Parameter                    | N<br>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    |      |



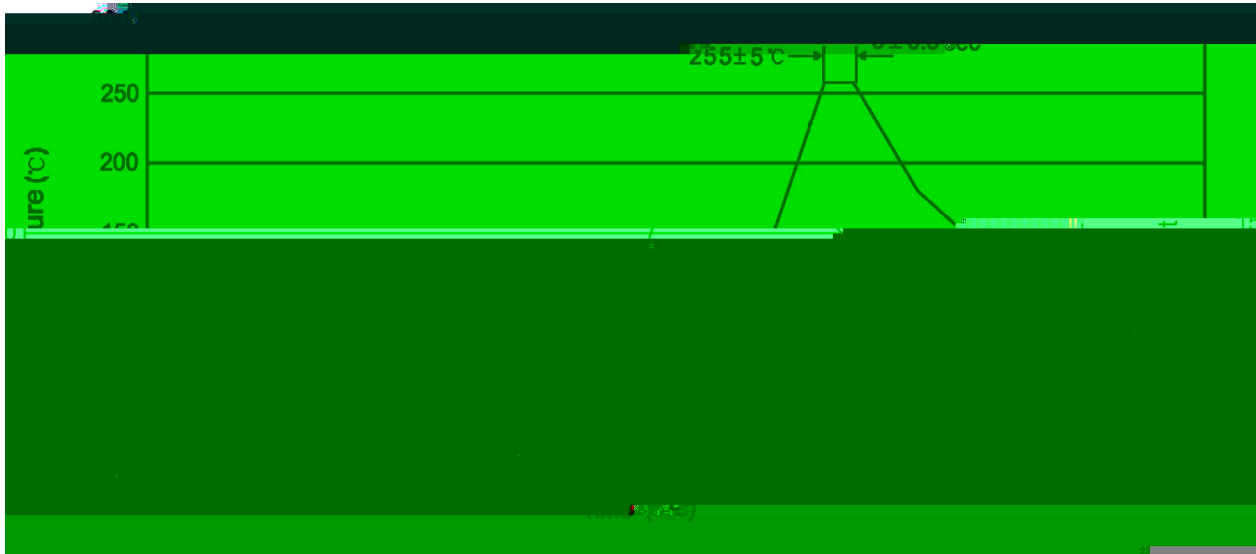


/ Marking Instructions



|          |                                       |   |  |
|----------|---------------------------------------|---|--|
| EU:      | N                                     |   |  |
| 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<br>/ | Bags/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | 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<br>/ | Tape/Inner Box<br>/ | Rows/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | Inner Box            | Outer Box                  |
| TO-92        | 3,000           | 1                   | 120                 | 10                         | 30,000               | 328×230×42           | 480×346×235<br>547×407×268 |

/ Notices