

/ Descriptions

WR0459    ММ    SQS    æ Ñ ç s ll 1    Silicon PNP transistor in a TO-126 Plastic Package.

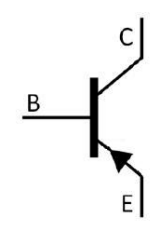
/ Features

лъ 5VF4495 Ы  
Complementary pair with 2SC1162.

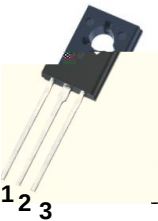
/ Applications

тэъ Æ    I ' ò º  
Low frequency power amplifier applications.

/ Equivalent Circuit



/ Pinning



PIN1 χ Emitter                  PIN 2 χ Collector                  PIN 3 χ Base

/ h<sub>FE</sub> Classifications & Marking

|                                           |           |            |            |
|-------------------------------------------|-----------|------------|------------|
| h <sub>FE</sub> Classifications<br>Symbol | B         | C          | D          |
| h <sub>FE</sub> Range                     | 60    120 | 100    200 | 160    320 |

# 2SA715

Rev.F Mar.-2016

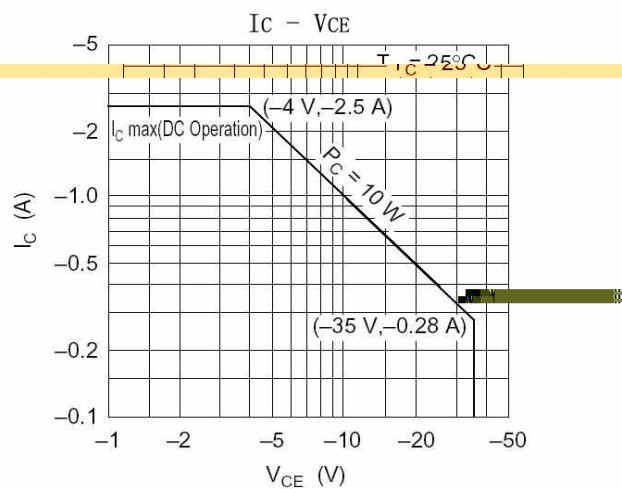
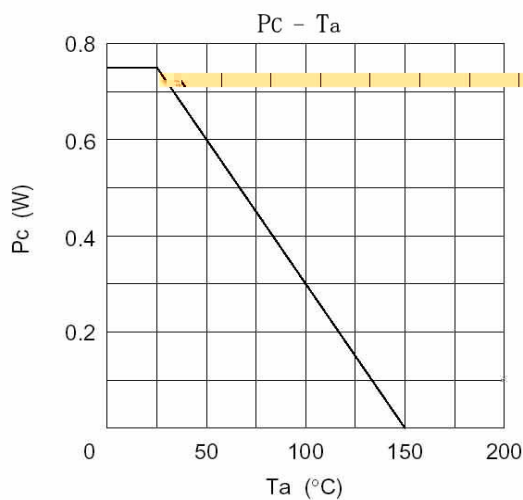
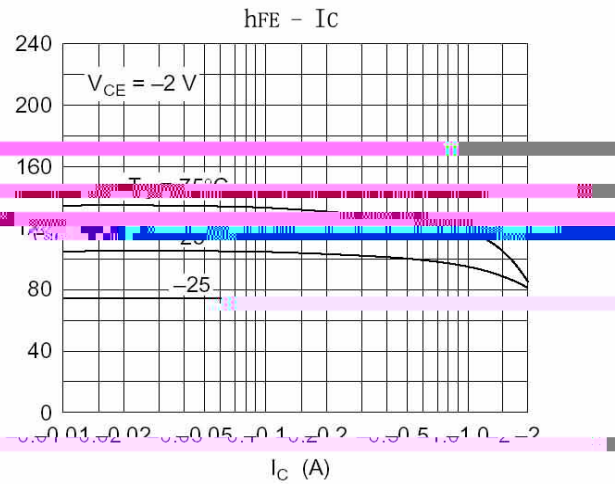
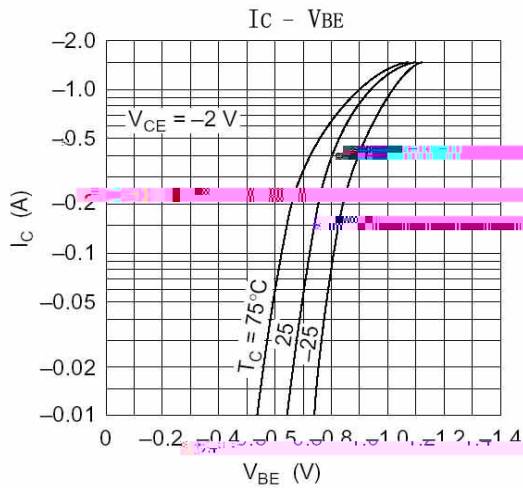
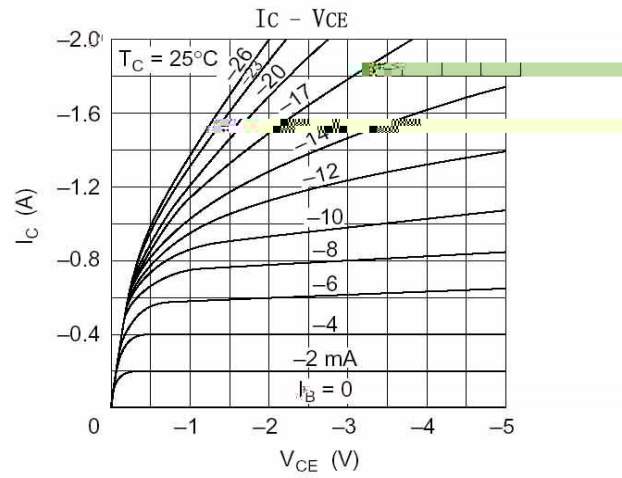
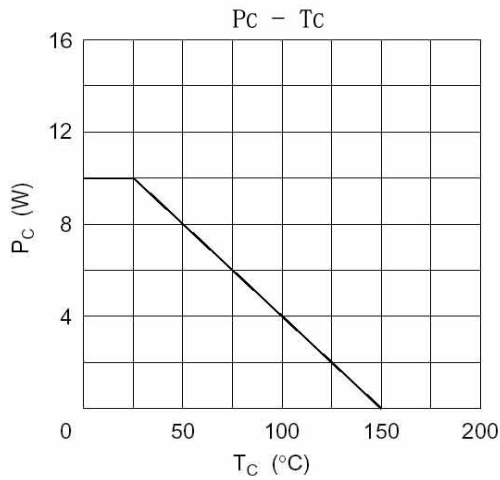


## DATA SHEET

| Parameter                      | Symbol                | Rating | Unit       |
|--------------------------------|-----------------------|--------|------------|
| Collector to Base Voltage      | $V_{CBO}$             | -35    | V          |
| Collector to Emitter Voltage   | $V_{CEO}$             | -35    | V          |
| Emitter to Base Voltage        | $V_{EBO}$             | -5.0   | V          |
| Collector Current - Continuous | $I_C$                 | -2.5   | A          |
| Peak Collector Current         | $I_{CP}$              | -3.0   | A          |
| Collector Power Dissipation    | $P_C$                 | 750    | mW         |
| Collector Power Dissipation    | $P_C(T_c=25^\circ C)$ | 10     | W          |
| Junction Temperature           | $T_j$                 | 150    | $^\circ C$ |

VE-0Tw2(.0005 T

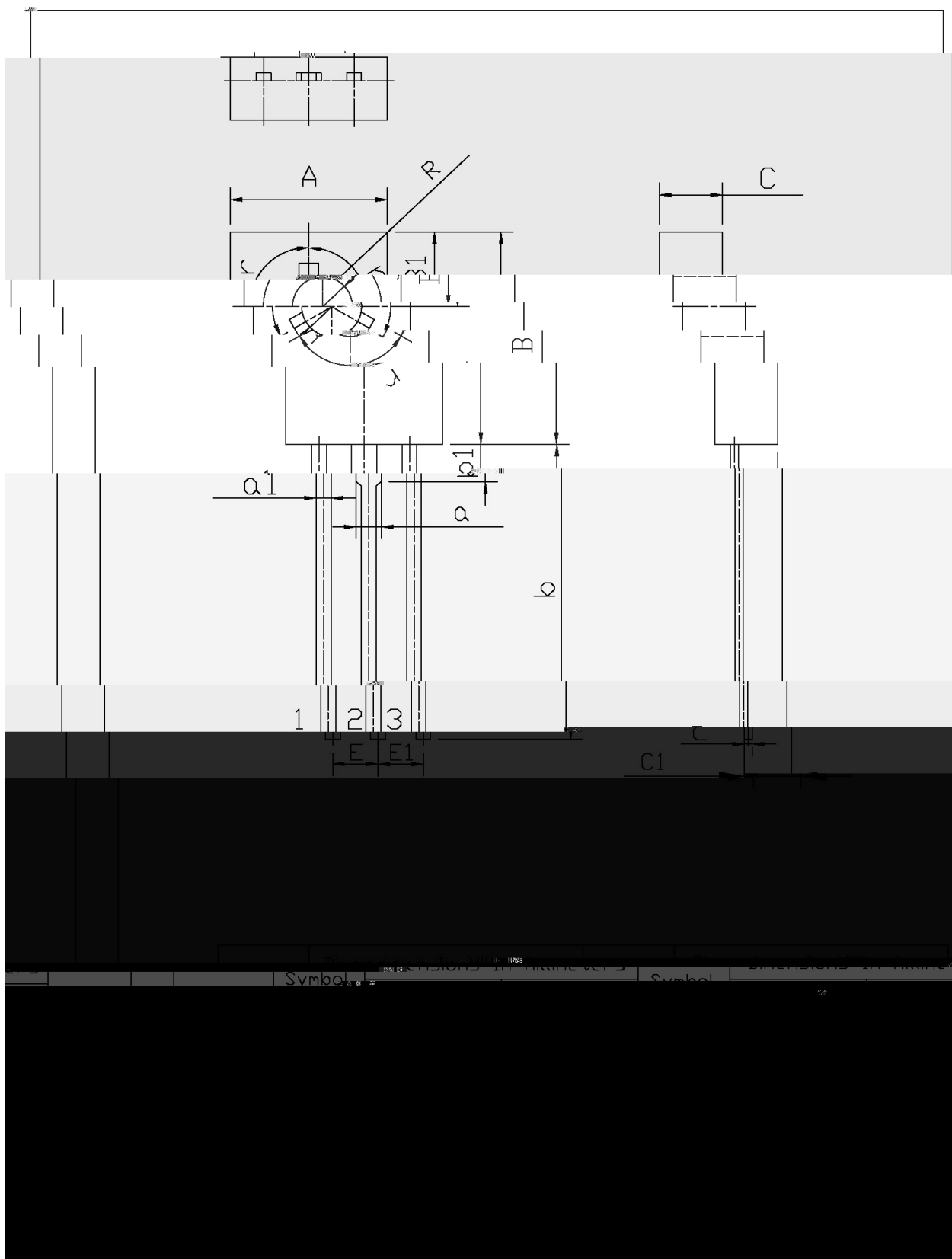
**/ Electrical Characteristic Curve**



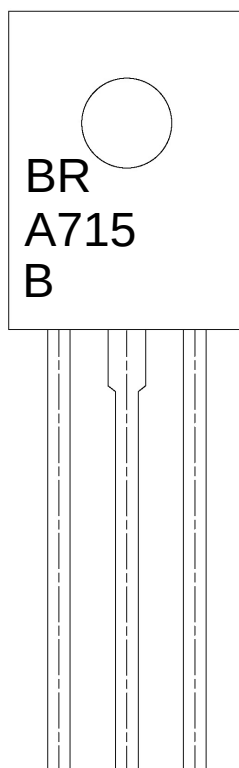
**/ Package Dimensions**

T□-126

单位: mm



## / Marking Instructions



"X

EU  $\chi$

D:48  $\chi$

 $E =$ 

-----X

Note:

BR:

A715:

B:

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$$k_{IH} \approx 6 \text{ } \mu\text{g}$$
$$\mathbb{H} \cdot f \check{\eta}^N \mathbb{P}_b \quad | \quad \mathbb{H} \cdot f \check{\eta}^N \Psi \mathbb{P}$$

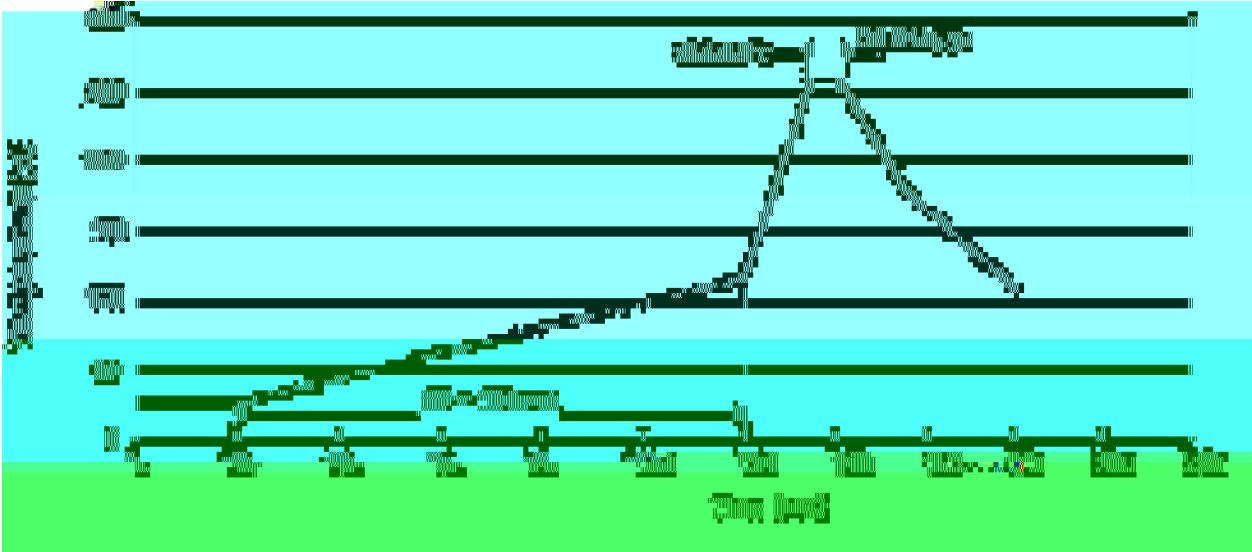
Company Code

Product Type.

### h<sub>FE</sub> Classifications Symbol

Lot No. Code, code change with Lot No.

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



- ” X

  - 1 25~150 °C , Time: 60~90sec;
  - 2 255 °C , Duration: 5 ° 0.5sec;
  - 3 2~10 °C /sec.
- Note:

  - 1.Preheating:25~150 °C , Time:60~90sec.
  - 2.Peak Temp.:255 °C , Duration:5 ° 0.5sec.
  3. Cooling Speed: 2~10 °C /sec.

/ Resistance to Soldering Heat Test Conditions

□ °C 270 ± 5 °C    °C 10 ± 1 sec.    Temp.:270±5    Time:10±1 sec

/ Packaging SPEC.

“ Q T Y    / BULK

| Package Type<br>封装形式 | Units 包装数量 |      |     |     |     | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |   |   |
|----------------------|------------|------|-----|-----|-----|-----------------------------------------|---|---|
|                      | 只 套管       | 套管 盒 | 只 盒 | 盒 箱 | 只 箱 | 套管                                      | 盒 | 箱 |
|                      |            |      |     |     |     |                                         |   |   |

“ 1 Y    / TUBE

| Package Type | Units 包装数量 |  |  |  |  | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |  |  |
|--------------|------------|--|--|--|--|-----------------------------------------|--|--|
|--------------|------------|--|--|--|--|-----------------------------------------|--|--|