# 2SA1964

Rev.F Mar.-2016

蓝箭电子 BLUE ROCKET ELECTRONICS

**DATA SHEET**

## / Descriptions

TO-220F PNP Silicon PNP transistor in a TO-220F Plastic Package.

## / Features

$h_{FE}$ $f_T$ 2SC5248

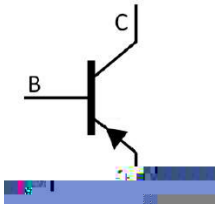
Flat DC current gain characteristics, high breakdown voltage, high $f_T$, wide SOA, complements the 2SC5248.

## / Applications

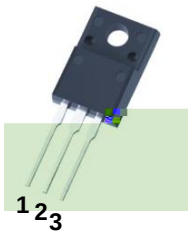
( )

High-voltage switching(audio output amplifier transistor, stabilized power supply transistor).

## / Equivalent Circuit




## / Pinning




PIN1 Base PIN 2 Collector PIN 3 Emitter

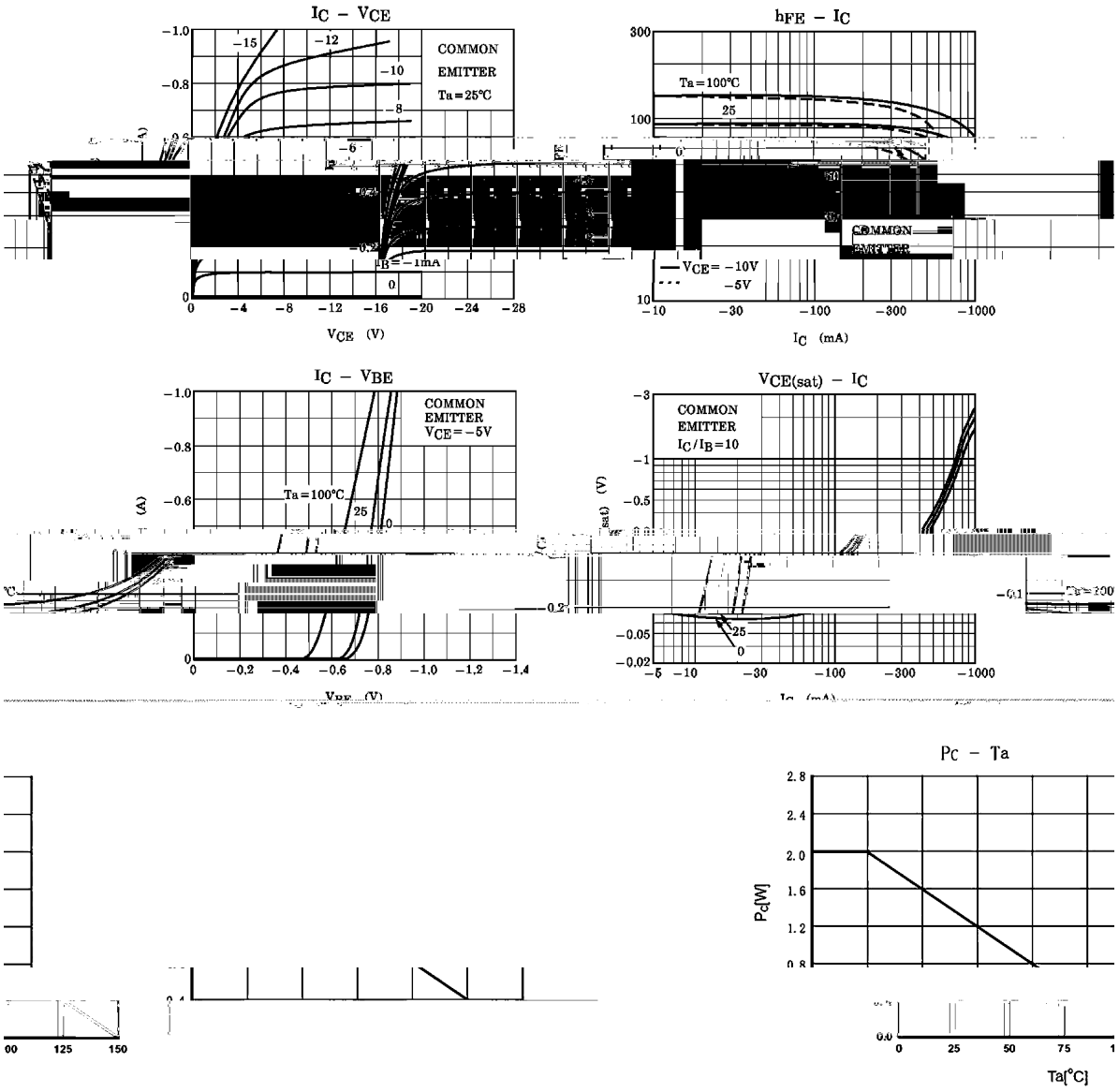
## / $h_{FE}$ Classifications & Marking

| $h_{FE}$ Classifications Symbol | D | E |
|---|---|---|
| $h_{FE}$ Range | 60 120 | 100 200 |

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -160 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -160 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -5.0 | V |
| Collector Current - Continuous | $I_C$ | -1.5 | A |
| Collector Power Dissipation bI | | | WA |

Collector Power Dissipation yT1452586(WA )TJET55.62591928 481.32 0.47998 ref55.625672768 0.48 18.28

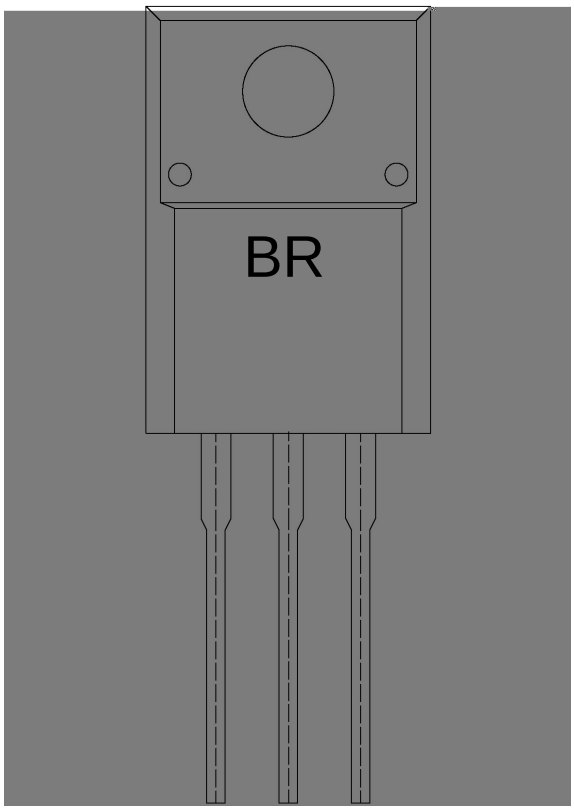
## / Electrical Characteristic Curve



## / Package Dimensions



## / Marking Instructions




BR

A1964

D: $h_{FE}$

****

Note:

| | |
|---|---|
| BR: | Company Code. |
| A1964: | Product Type. |
| D: | $h_{FE}$ 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 mm$^3$) |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |

/ TUBE

| Package Type | Units | Dimension | (unit mm$^3$) |
|---|---|---|---|

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