# KTB1366

Rev.F Mar.-2016

蓝箭电子 BLUE ROCKET ELECTRONICS

**DATA SHEET**

## / Descriptions

WR0553I ṂṂ Ł SQS ÆṀ ч s ‖ ㄱ Silicon PNP transistor in a TO-220F Plastic Package.

## / Features

ت ᄀ я ∪ Ң ı ль NWG538 ; Й ´

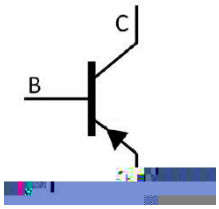
Low saturation voltage, complementary to KTD2058.

## / Applications

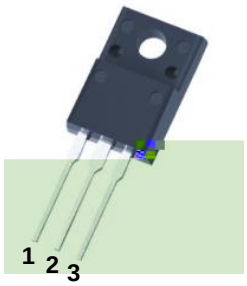
ᾆ ˘ ѽ ᶻ

General purpose amplifier.

## / Equivalent Circuit




## / Pinning




PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

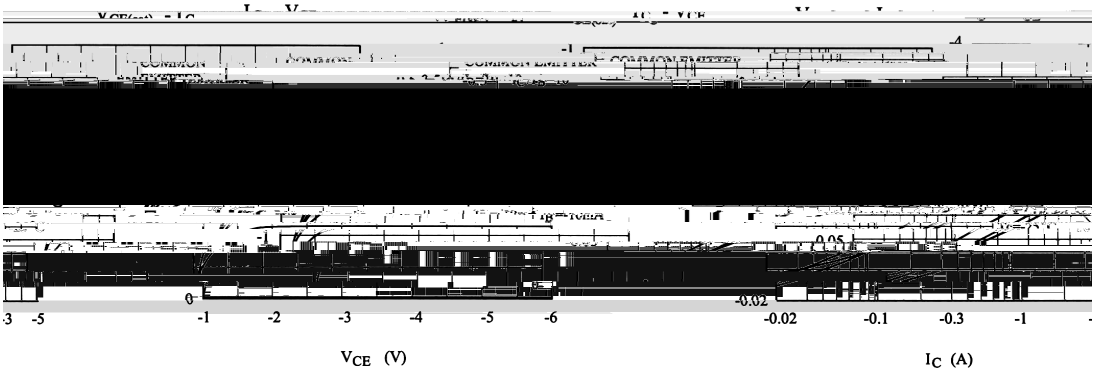
## / $h_{FE}$ Classifications & Marking

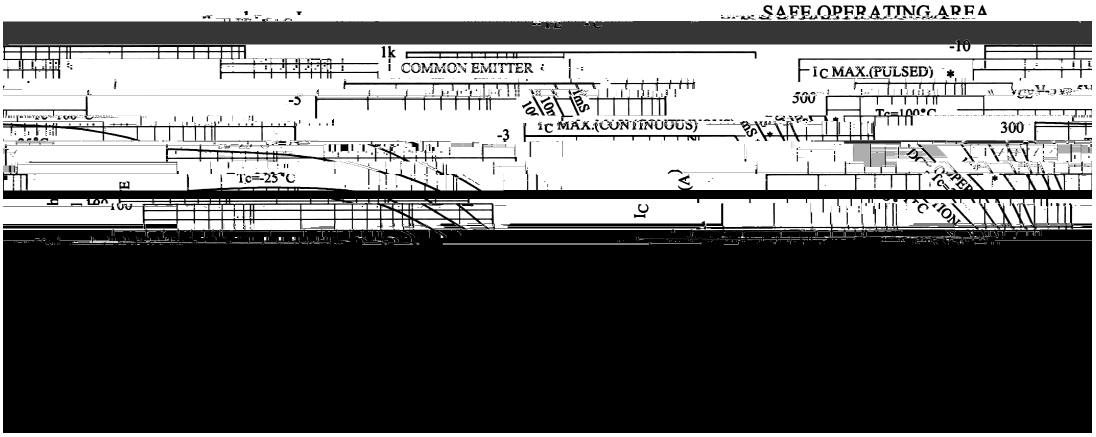
| $h_{FE}$ Classifications Symbol | O | Y |
|---|---|---|
| $h_{FE}$ Range | 60 120 | 100 200 |

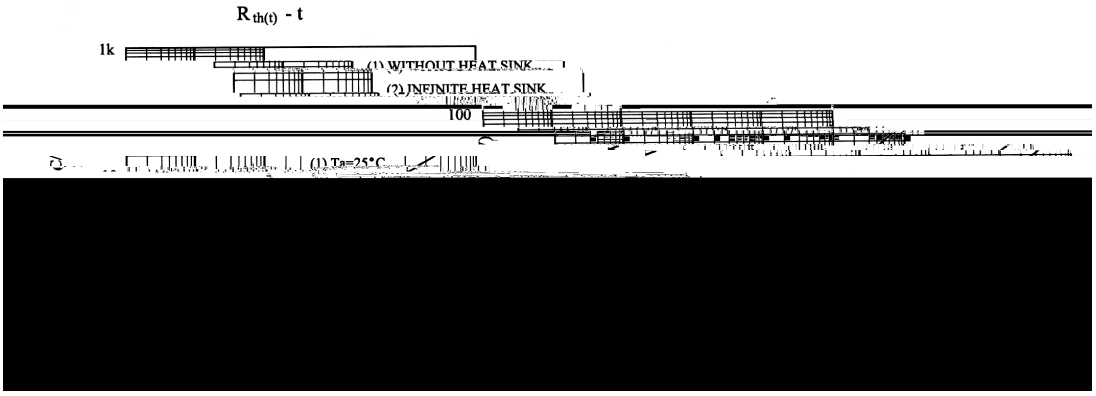
| v ‴Ω<br>Parameter | ϒ N<br>Symbol | ‴Ω Ö<br>Rating | D Ч<br>Unit |
|---|---|---|---|
| Collector to Base Voltage | $V_{CBO}$ | -60 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -60 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -7.0 | V |
| Collector Current - Continuous | $I_C$ | -3.0 | A |
| Base Current | $I_B$ | -0.5 | A |
| Collector Power Dissipation | $P_C$ | 2.0 | W |
| Collector Power Dissipation | $P_C$(Tc=25 ) | 25 | W |
| Junction Temperature | $T_j$ | 150 | |
| Storage Temperature Range | $T_{stg}$ | -55 150 | |

| v ‴Ω<br>Parameter | ϒ N<br>Symbol |
|---|---|

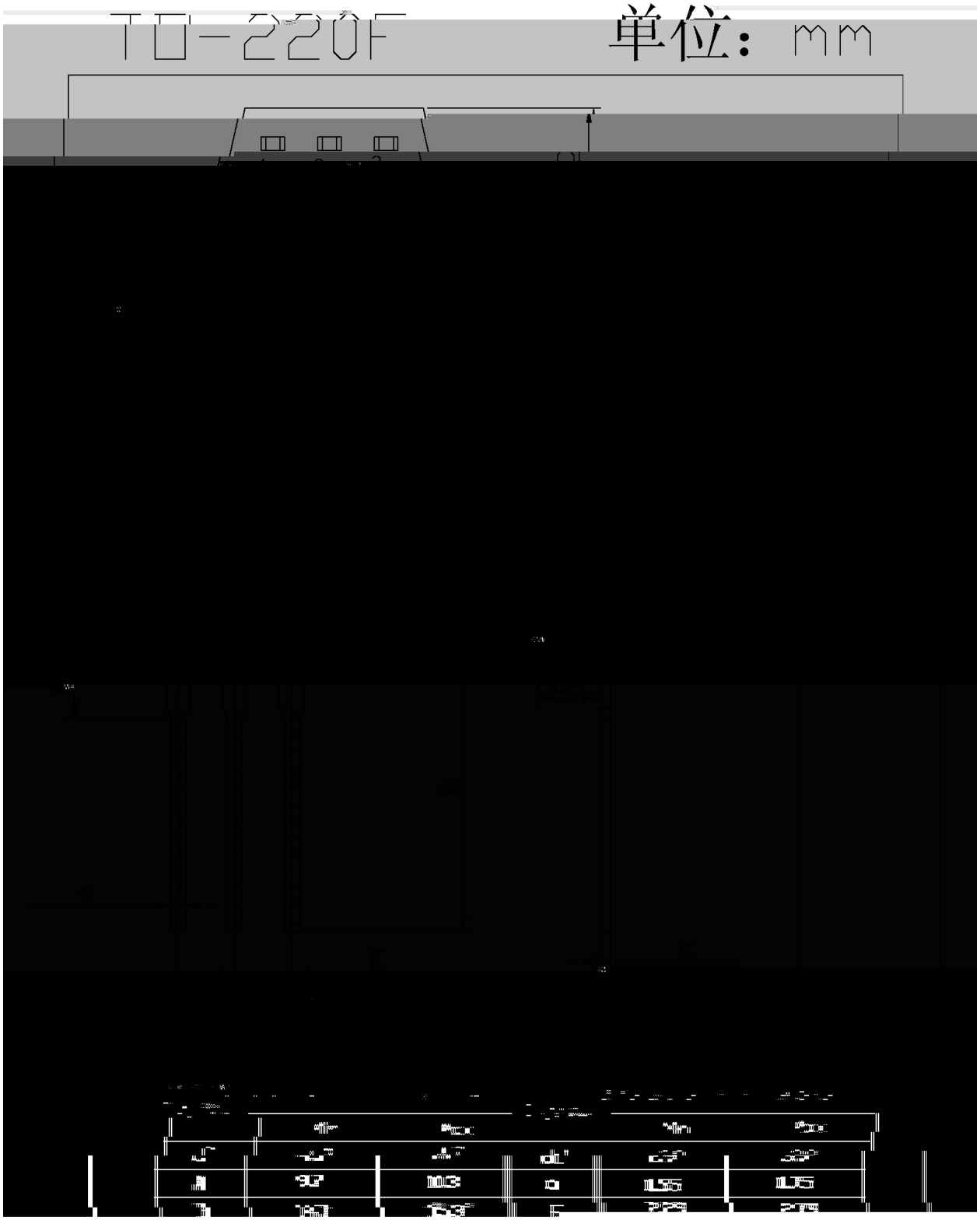
## / Electrical Characteristic Curve



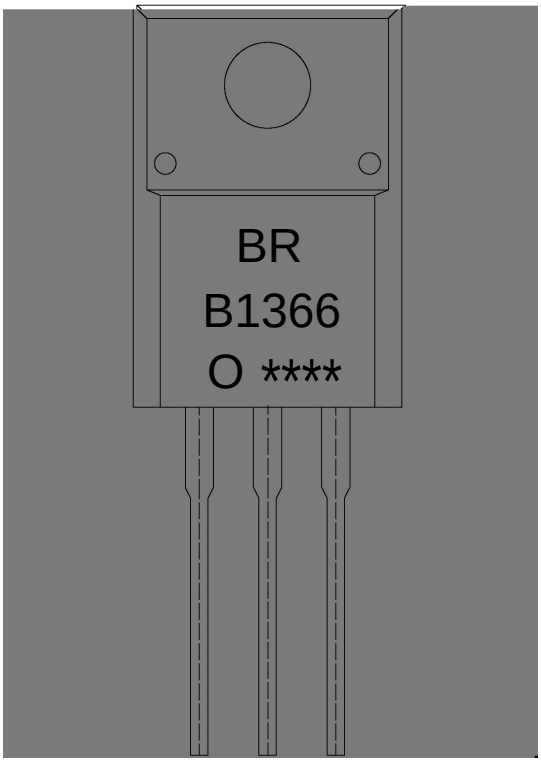



## / Package Dimensions



## / Marking Instructions

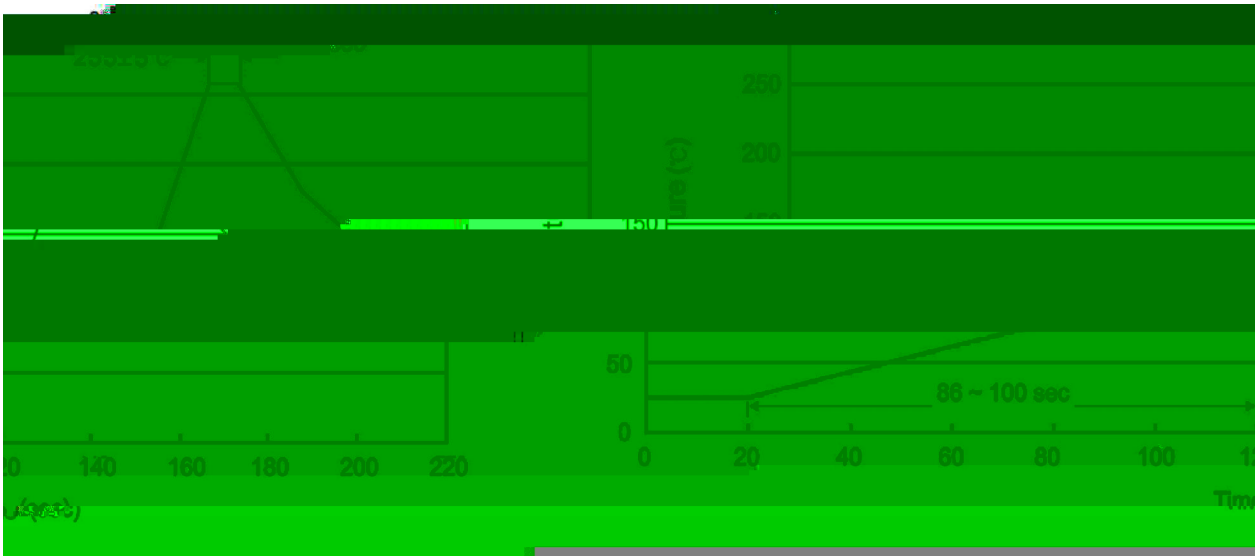



| | |
|---|---|
| ِ ˝ χ | |
| BR χ | ѭ ϗ ˥ Ђ |
| B1366 χ | ѭ ϳ ᴺ Ђ |
| O: | ѭ $h_{FE}$ ʿ ⁶ Ђ |
| **** χ | ѭ ˪ ғ ӈ ᴺ Ђ ˪ ҿ ˪ ғ ӈ ᴺ Ψ ҏ |

Note:

| | |
|---|---|
| BR: | Company Code. |
| B1366: | Product Type. |
| O: | $h_{FE}$ Classifications Symbol. |
| ****: | Lot No. Code, code change with Lot No. |

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




ب ˝ χ

1 Ĺ ♬ □ ỷ 25 Ḱ 150 ɬ ı ˋH ڑ 60 Ḱ 90sec;

2 Š Ө □ ỷ 255 ° 5 ɬ ı ˋH ڑ ˋY ﾊ ㎛ 5 ° 0.5sec;

3 ì ˙ ﾘ ˛ ɔ ﻉ ỷ ㎛ 2 Ḱ 10 ɬ /sec.

Note:

1.Preheating:25~150 ɬ , Time:60~90sec.

2.Peak Temp.:255 ° 5 ɬ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɬ /sec.

## / Resistance to Soldering Heat Test Conditions

| | | | |
|---|---|---|---|
| □ ỷ χ 270 ° 5 ɬ | ˋH ڑ χ 10 ° 1 sec. | Temp:270±5 | Time:10±1 sec |

## / Packaging SPEC.

ˇQ ɽ ﾚ Ŀ / 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 |