# KSD362

Rev. H Oct.-2018

蓝箭电子 BLUE ROCKET ELECTRONICS

**DATA SHEET**

## / Descriptions

WR0553 ṂṂ Ŀ QSQ ÆṀ ч s ‖ ㄱ Silicon NPN transistor in a TO-220 Plastic Package.

## / Features

F0E ɔ я ᓬ ε $Y_{FER}$@483Y ζı ﻭ ɔ ‖ ɔ ╙ ᶻ ε $L_F$@8D ζ

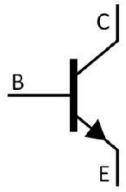
High Collector-Base Voltage, High Collector Current.

## / Applications

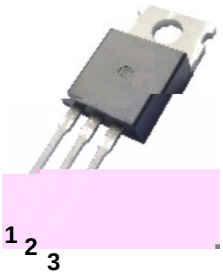
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B/W TV horizontal deflection output.

## / Equivalent Circuit




## / Pinning



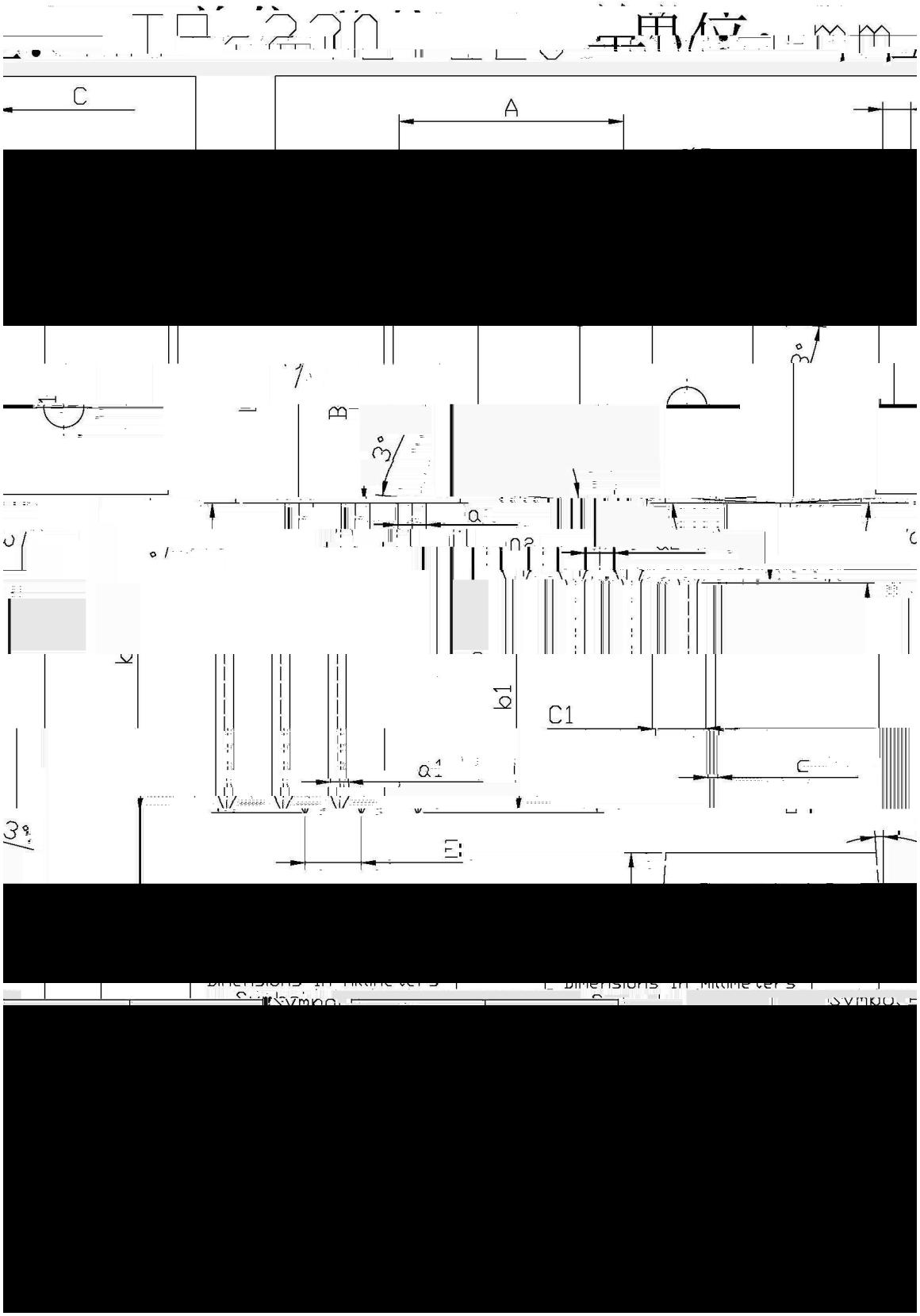

PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

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

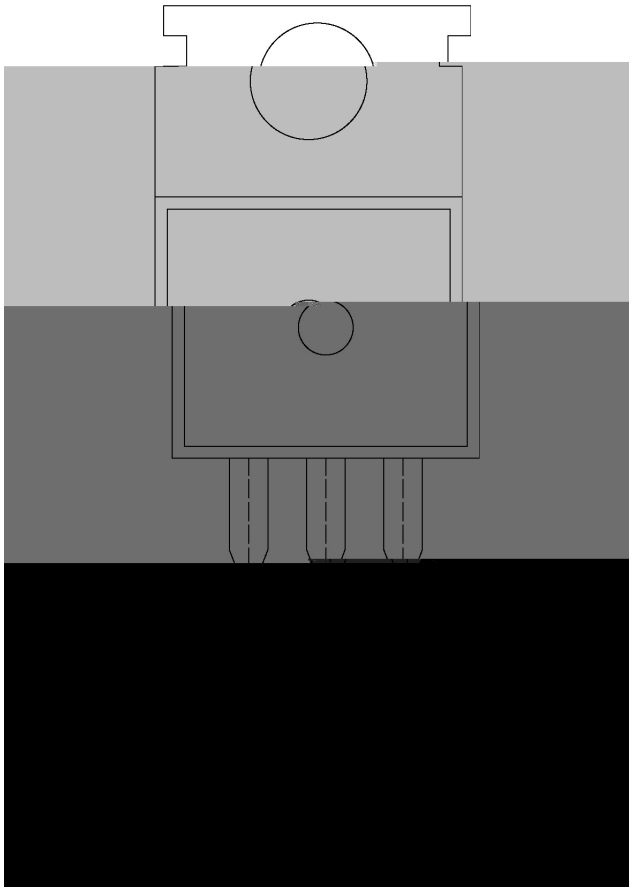
| $h_{FE}$ Classifications Symbol | N | R | O |
|---|---|---|---|
| $h_{FE}$ Range | 20 50 | 40 80 | 70 140 |

## / Electrical Characteristic Curve

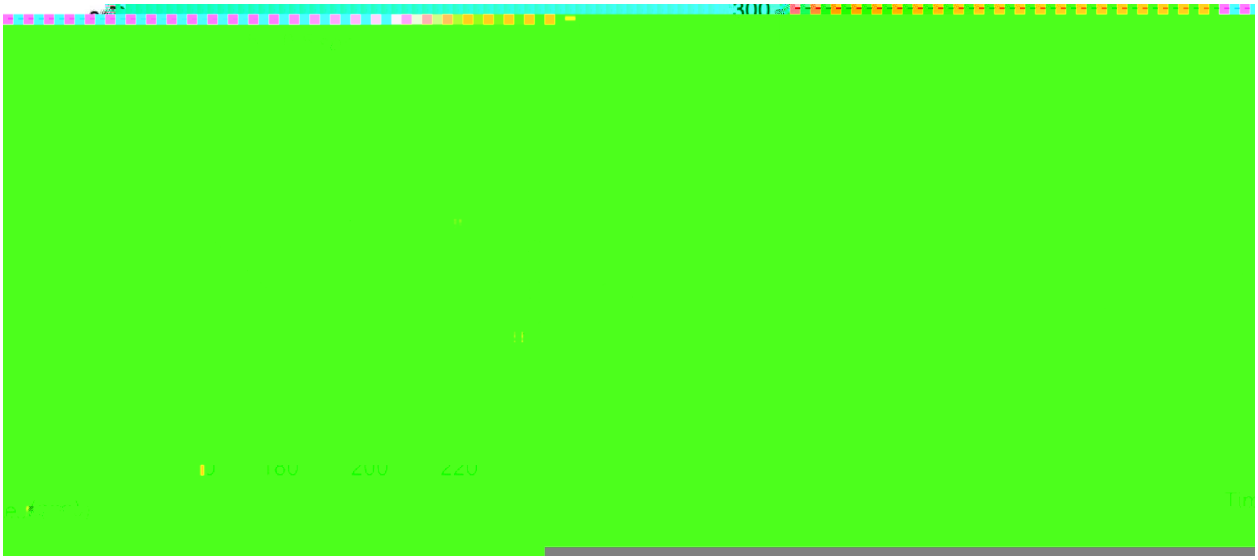
## / Package Dimensions



## / Marking Instructions



## ( ) / 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 ヵ ㎞ 5 ° 0.5sec;

3 ì ˙ ヽ ˛ ɔ ଌ 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.

ˇΩ ţ ɣ Ь BULK

| Package Type 封装形式 | Units 包装 | | | | | Dimension 包装尺寸 (Unit: mm³) | | |
|---|---|---|---|---|---|---|---|---|
| | Units/Bag 只/袋 | Bags/Inner Box 袋 | Units/Inner Box 只 | Inner Boxes/Outer Box 只/ | Units/Outer Box 只/ | Bag 袋 | Inner Box | Outer Box |
| TO-220/F | 200 | 10 | 2,000 | 5 | 10,000 | 135×190 | 237×172×102 | 560×245×195 |

˝ ヿ ɣ Ь TUBE

| Package Type 封装形式 | Units 包装 | | | | | Dimension 包装尺寸 (Unit: mm³) | | |
|---|---|---|---|---|---|---|---|---|
| | Units/Tube 只/套 | Tubes/Inner Box 套 | Units/Inner Box 只 | Inner Boxes/Outer Box 只/ | Units/Outer Box 只/ | Tube 套 | Inner Box 只 | Outer Box |
| TO-220/F | | | | | | | | |