# TIP32

Rev. H Oct.-2018

蓝箭电子
BLUE ROCKET ELECTRONICS
**DATA SHEET**

## / Descriptions

WR0553 ṂṂꝈ SQS ᴂṀꞣ s Ⅱ ᄀ Silicon PNP transistor in a TO-220 Plastic Package.

## / Features

љ WLS64 Ӥ ´

Complement to TIP31.

## / Applications

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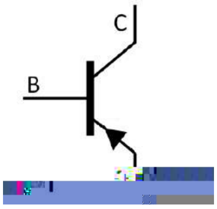
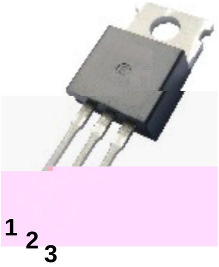
Medium power linear switching applications.

## / Equivalent Circuit



## / Pinning



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

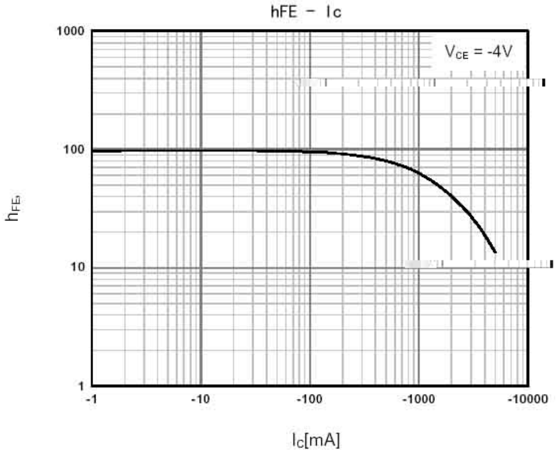
## / $h_{FE}$ Classifications & Marking

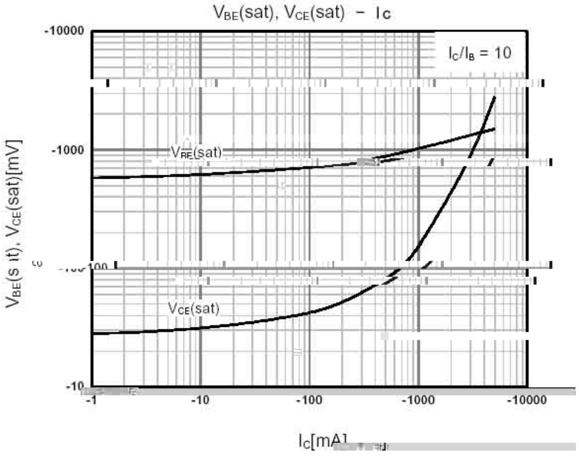
ǒ ᴍ ꞁ ب ˝ See Marking Instructions.

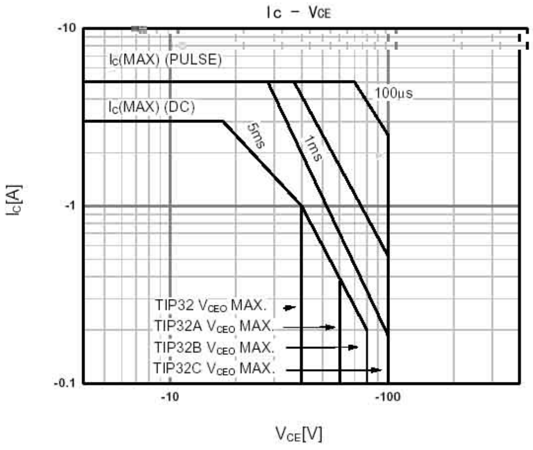
| v ˝Ω̣<br>Parameter | ɣ ᴺ<br>Symbol | ˝Ω̣ Ӫ<br>Rating | | | | ᴅ Ʉ<br>Unit |
|---|---|---|---|---|---|---|
| | | TIP32 | TIP32A | TIP32B | TIP32C | |
| Collector to Base Voltage | $V_{CBO}$ | -40 | -60 | -80 | -100 | V |
| Collector to Emitter Voltage | $V_{CEO}$ | -40 | -60 | -80 | -100 | V |
| Emitter to Base Voltage | $V_{EBO}$ | -5.0 | | | | V |
| Collector Current-Continuous | $I_C$ | -3.0 | | | | A |
| Peak Collector Current | $I_{CP}$ | -5.0 | | | | A |
| Base Current - Continuous | $I_B$ | -3.0 | | | | A |
| Collector Power Dissipation | $P_C$ | 2.0 | | | | W |
| Collector Power Dissipation | $P_C$ (Tc=25 ) | 40 | | | | W |
| Junction Temperature | $T_j$ | 150 | | | | |
| Storage Temperature Range | $T_{sag}$ | -55 150 | | | | |

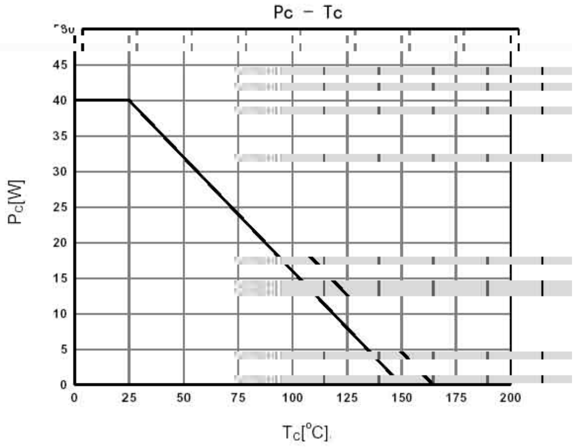
| v ˝Ω̣<br>Parameter | ɣ ᴺ<br>Symbol | ╜ ꞉ᛏ Ţ<br>Test Conditions | ῳ ṇ Ӫ<br>Min | Ɛ ʒ Ӫ<br>Typ | ῳ ᶻ Ӫ<br>Max | ᴅ Ʉ<br>Unit |
|---|---|---|---|---|---|---|

## / Electrical Characteristic Curve

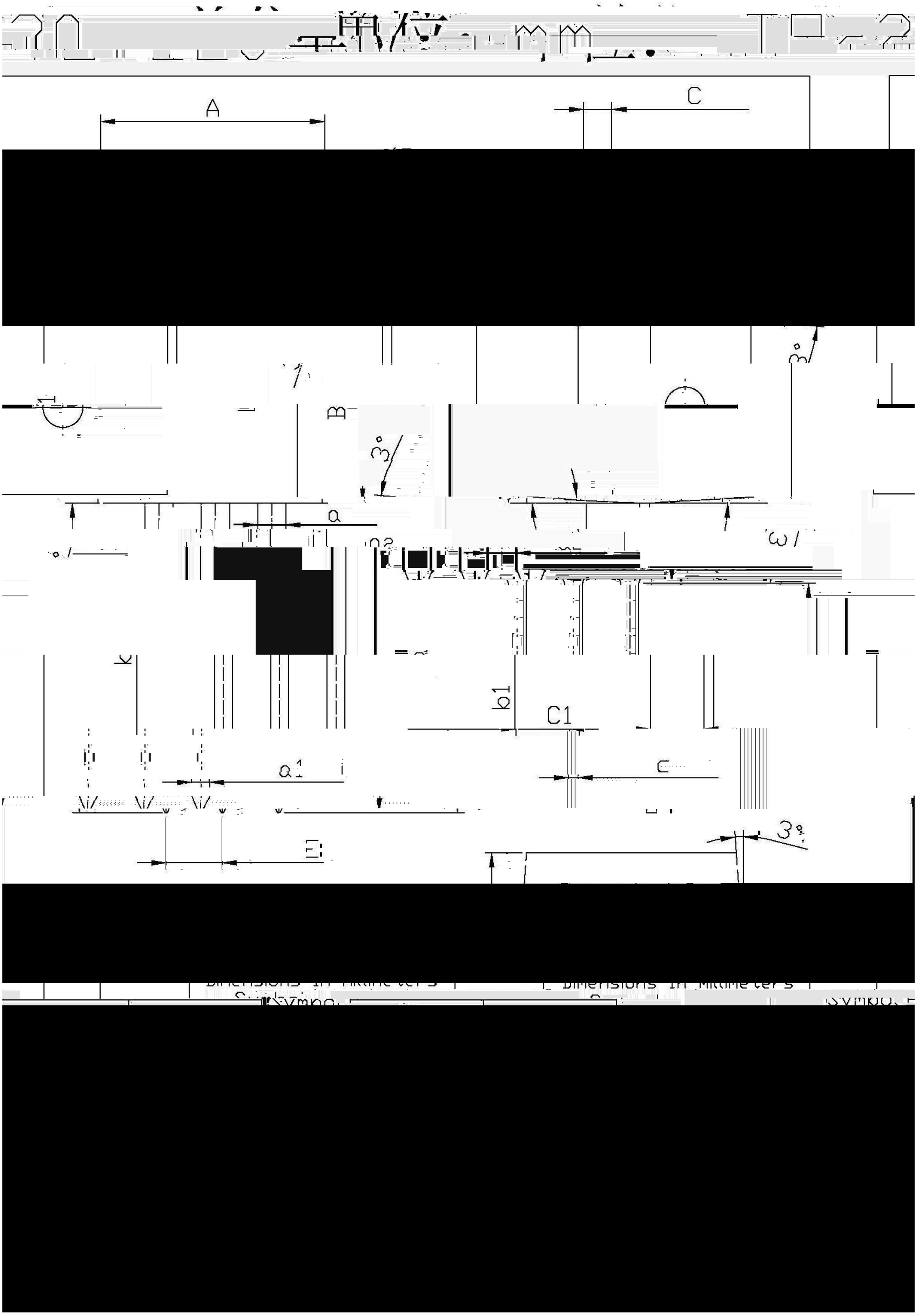




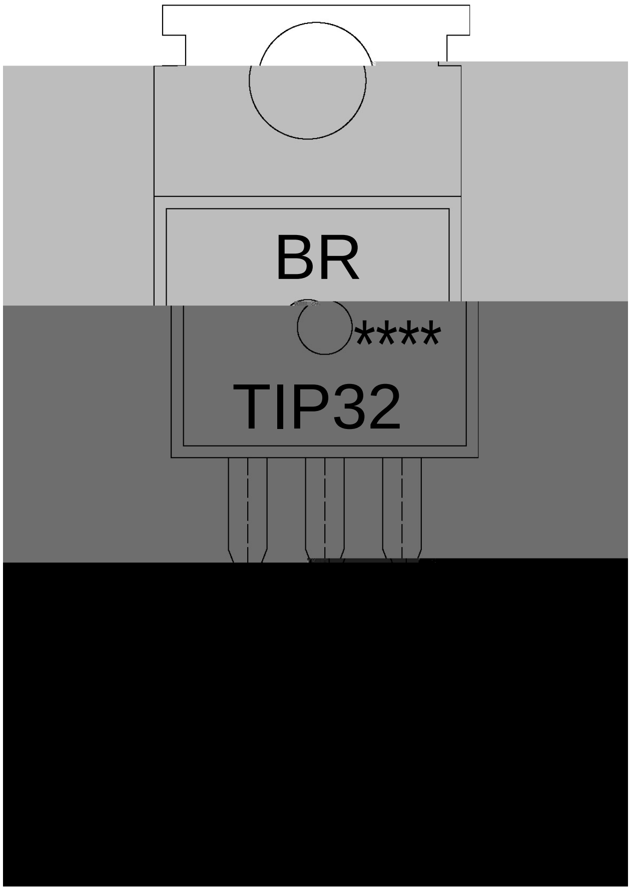




## / Package Dimensions



## / Marking Instructions



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| WLS65 χ | ӜӜ ғ ᵝ ʓ ᴺ |
| ---- χ | ӜӜ ꞁ ғ ῆ ᴺ Ꮒ ι ɞ ꞁ ғ ῆ ᴺ ψ ק |

Note:

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|---|---|
| BR: | Company Code |
| TIP32: | Product Type. |
| ****: | Lot No. Code, code change with Lot No. |