

TIP32

Rev. H Oct.-2018

/ Descriptions

KF \$))' GE G' Silicon PNP transistor in a TO-220 Plastic Package.

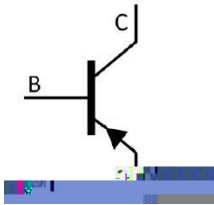
/ Features

K@* (Complement to TIP31.

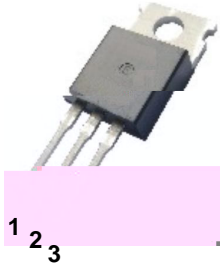
/ Applications

Medium power linear switching applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

See Marking Instructions.

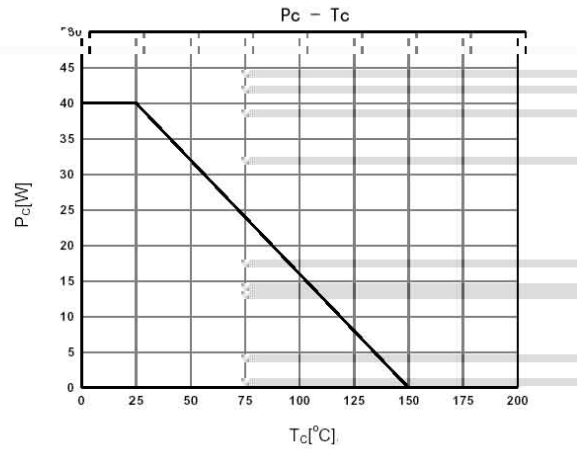
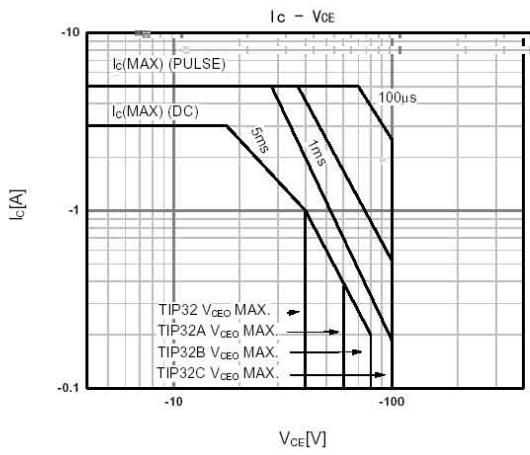
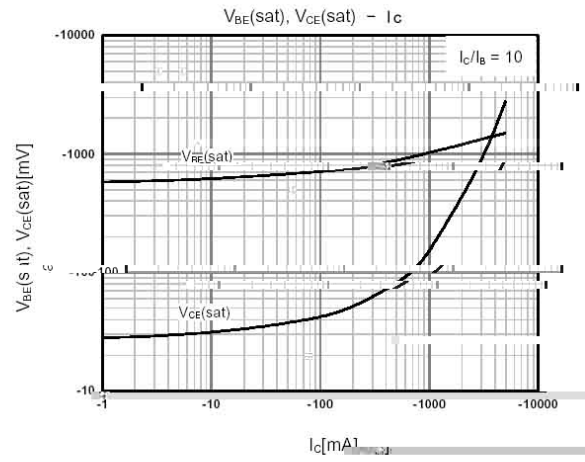
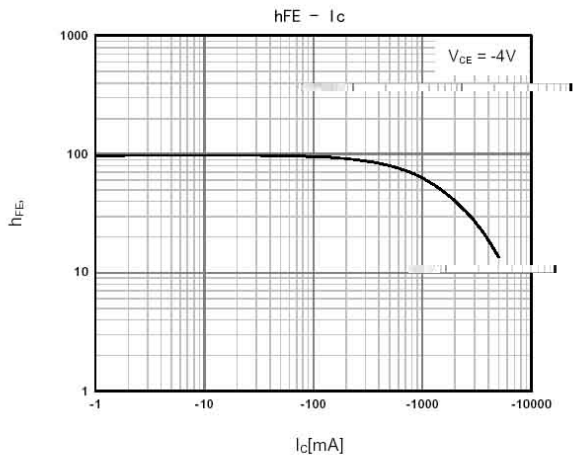
TIP32

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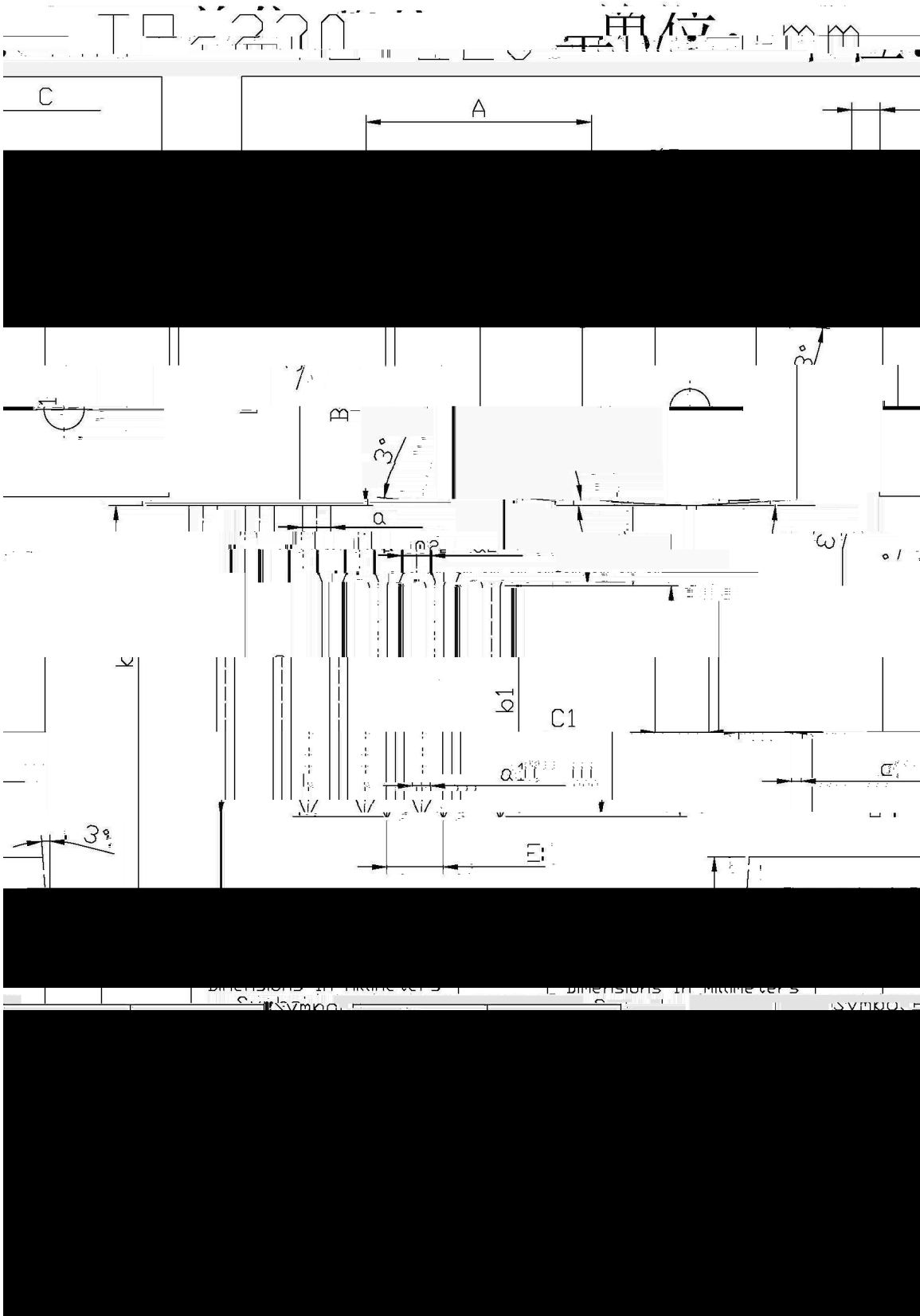
| Parameter | Symbol | Rating | | | | Unit |
|------------------------------|------------------------|---------|--------|--------|--------|------|
| | | TIP32 | TIP32A | TIP32B | TIP32C | |
| Collector to Base Voltage | V_{CBO} | -40 | -60 | -80 | -100 | V |
| Collector to Emitter Voltage | V_{CEO} | -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 | $P_C (T_c=25^\circ C)$ | 40 | | | | W |
| Junction Temperature | T_j | 150 | | | | |
| Storage Temperature Range | T_{sag} | -55 150 | | | | |

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|-----------|--------|-----------------|-----|-----|-----|------|
|-----------|--------|-----------------|-----|-----|-----|------|

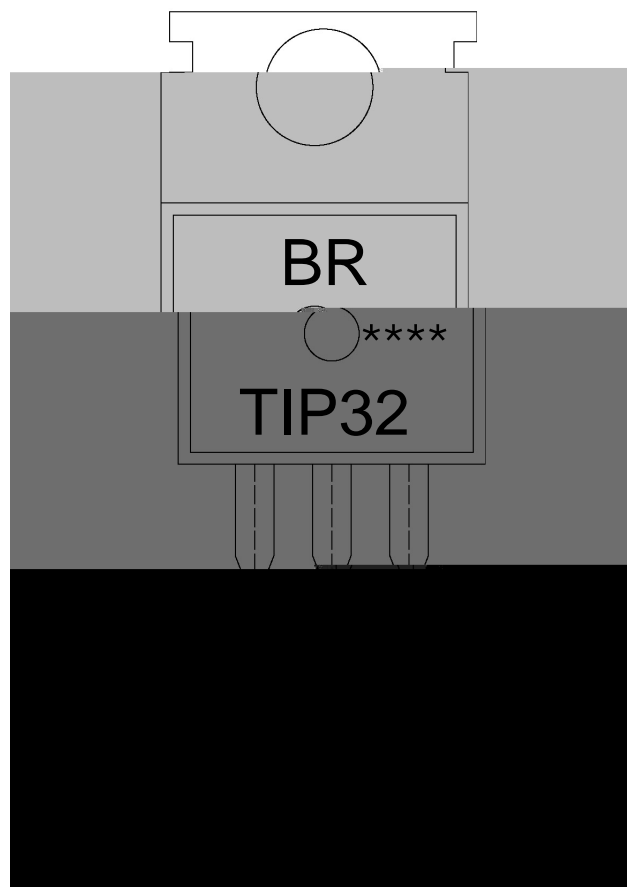
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



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K@*)

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Note:

BR: Company Code

TIP32: Product Type.

****: Lot No. Code, code change with Lot No.

