



Micro Commercial Components



Micro Commercial Components
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Features

- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking:Type number

Maximum Ratings

| Symbol | Rating | Rating | Unit |
|------------------|-------------------------------|---------|------|
| V _{CBO} | Collector-Base Voltage | -35 | V |
| V _{CEO} | Collector-Emitter Voltage | -30 | V |
| V _{EBO} | Emitter-Base Voltage | -5 | V |
| I _C | Collector Current –Continuous | -0.5 | A |
| P _C | Collector Power Dissipation | 500 | mW |
| T _J | Junction Temperature | 150 | °C |
| T _{stg} | Storage Temperature | -55-150 | °C |

Electrical Characteristics @ 25°C Unless Otherwise Specified

| Symbol | Parameter | Min | Typ | Max | Units |
|--------|-----------|-----|-----|-----|-------|
|--------|-----------|-----|-----|-----|-------|

OFF CHARACTERISTICS

| | | | | | |
|----------------------|---|------|------|--|-----|
| V _{(BR)CEO} | Collector-Emitter Breakdown Voltage* (I _C =-1.0mA, I _B =0) | -30 | | | Vdc |
| V _{(BR)CBO} | Collector-Base Breakdown Voltage (I _C =-100µA, I _E =0) | -35 | | | Vdc |
| V _{(BR)EBO} | Emitter-Base Breakdown Voltage (I _E =-100µA, I _C =0) | -5.0 | | | Vdc |
| I _{CBO} | Collector-Base Cutoff Current (V _{CB} =-35Vdc, I _E =0) | --- | -0.1 | | µA |
| I _{EBO} | Emitter-Base Cutoff Current (V _{EB} =-5.0Vdc, I _C =0) | --- | -0.1 | | µA |

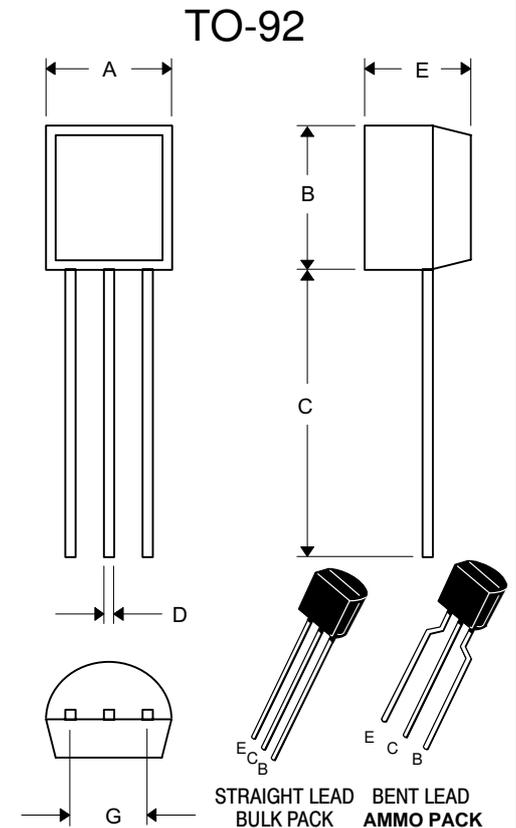
ON CHARACTERISTICS

| | | | | | |
|----------------------|--|----------|-----|------------|-----|
| h _{FE} | DC Current gain ⁽¹⁾ (I _C =-100mA, V _{CE} =-1.0Vdc) (I _C =-400mA, V _{CE} =-6.0Vdc) | 70 25 | --- | 240 --- | --- |
| V _{CE(sat)} | Collector-Emitter Saturation Voltage (I _C =-100mA, I _B =-10mA) | --- | --- | -0.25 | Vdc |
| V _{BE(on)} | Base-Emitter Voltage (I _C =-100mA, V _{CE} =-1Vdc) | --- | --- | -1.0 | Vdc |
| f _T | Transistor Frequency (V _{CE} =-6Vdc, I _C =-20mA, F=100MHz) | --- | 200 | --- | MHz |
| C _{ob} | Collector output capacitance (V _{CE} =-6Vdc, I _E =0, F=1MHz) | --- | 13 | --- | pF |

(1) h_{FE} Classification O: 70-140, Y: 120-240

KTA1270-O
KTA1270-Y

PNP
Plastic-Encapsulate
Transistors



| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|------|-------|------|----------------------------|
| | INCHES | | MM | | |
| A | .175 | .185 | 4.45 | 4.70 | |
| B | .175 | .185 | 4.45 | 4.70 | |
| C | .500 | --- | 12.70 | --- | |
| D | .016 | .020 | 0.41 | 0.63 | |
| E | .135 | .145 | 3.43 | 3.68 | |
| G | .095 | .105 | 2.42 | 2.67 | Straight Lead Bent Lead |
| | .173 | .220 | 4.40 | 5.60 | |

* For ammo packing detailed specification, click here to visit our website of product packaging for details.



TM

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Ordering Information :

| Device | Packing |
|----------------|-----------------------------|
| Part Number-AP | Ammo Packing: 20Kpcs/Carton |
| Part Number-BP | Bulk: 100Kpcs/Carton |

Note : Adding "-HF" suffix for halogen free, eg. Part Number-AP-HF

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