

**KTA1267-O
KTA1267-Y
KTA1267-GR**

Features

- Halogen free available upon request by adding suffix "-HF"
- Excellent h_{FE} Linearity: $h_{FE}(0.1mA)/h_{FE}(2.0mA)=0.95(Typ)$
- Low Noise: $NF=1.0dB(Typ.)$, 10dB(Max.)
- Complementary to KTC3199
- Marking: A1267
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Maximum Ratings

| Symbol | Rating | Rating | Unit |
|-----------|-----------------------------|-------------|------|
| V_{CEO} | Collector-Emitter Voltage | 50 | V |
| V_{CBO} | Collector-Base Voltage | 50 | V |
| V_{EBO} | Emitter-Base Voltage | 5.0 | V |
| I_C | Collector Current | 150 | mA |
| I_E | Emitter Current | 150 | A |
| P_C | Collector power dissipation | 400 | mW |
| T_J | Junction Temperature | -55 to +150 | °C |
| T_{STG} | Storage Temperature | -55 to +150 | °C |

Electrical Characteristics @ 25°C Unless Otherwise Specified

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

OFF CHARACTERISTICS

| | | | | | |
|-----------|--|-----|-----|-----|--------------|
| I_{CBO} | Collector-Base Cutoff Current ($V_{CB}=50Vdc, I_E=0$) | --- | --- | 0.1 | μA_{dc} |
| I_{EBO} | Emitter-Base Cutoff Current ($V_{EB}=5.0Vdc, I_C=0$) | --- | --- | 0.1 | μA_{dc} |

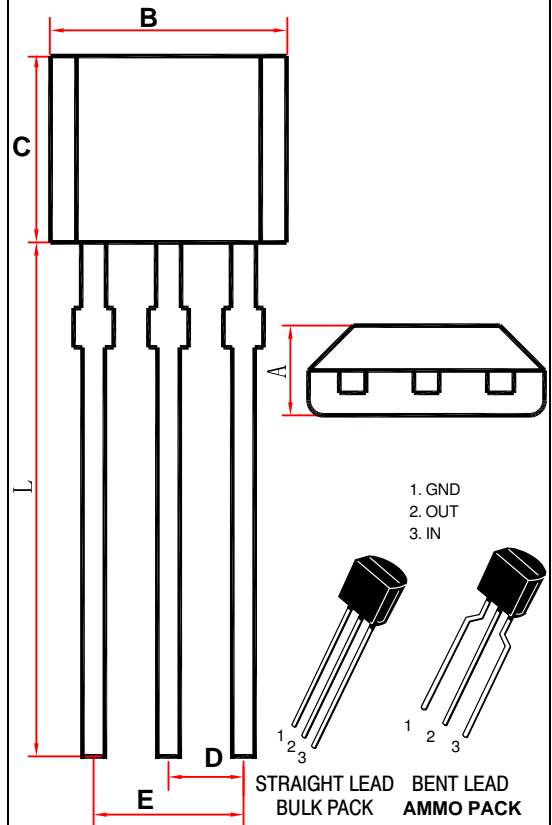
ON CHARACTERISTICS

| | | | | | |
|---------------|---|-----|-----|-----|-----|
| h_{FE} | DC Current gain ⁽¹⁾ ($I_C=2.0mA_{dc}, V_{CE}=6.0Vdc$) | 70 | --- | 400 | --- |
| $V_{CE(sat)}$ | Collector-Emitter Saturation Voltage ($I_C=100mA_{dc}, I_B=10mA_{dc}$) | --- | 0.1 | 0.3 | Vdc |
| f_T | Transistor Frequency ($V_{CE}=10Vdc, I_C=1.0mA_{dc}$) | 80 | --- | --- | MHz |
| C_{ob} | Collector Output Capacitance ($V_{CB}=10Vdc, I_E=0, f=1.0MHz$) | --- | 4.0 | 7.0 | pF |
| NF | Noise Figure ($V_{CE}=6.0Vdc, I_C=0.1mA_{dc}, f=1.0kHz, R_g=10KOHM$) | --- | 1.0 | 10 | dB |

(1) h_{FE} Classification O: 70~140, Y: 120~240, GR: 200~400

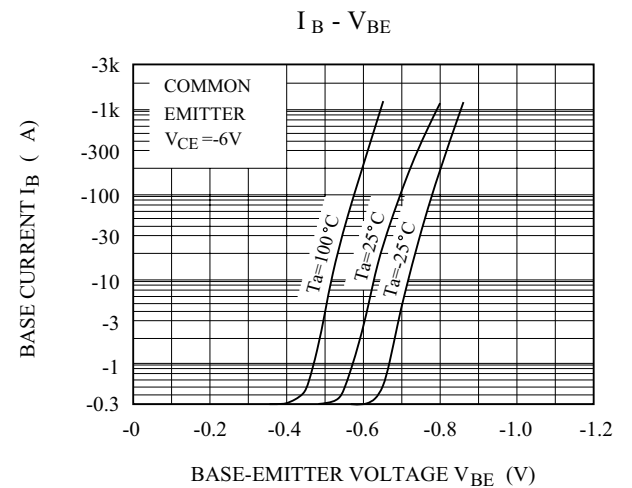
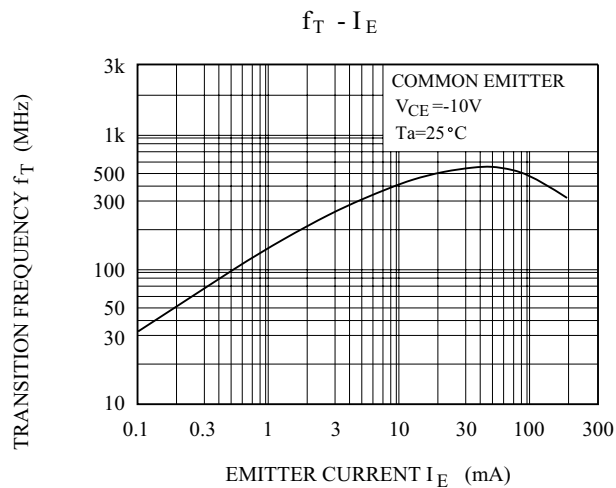
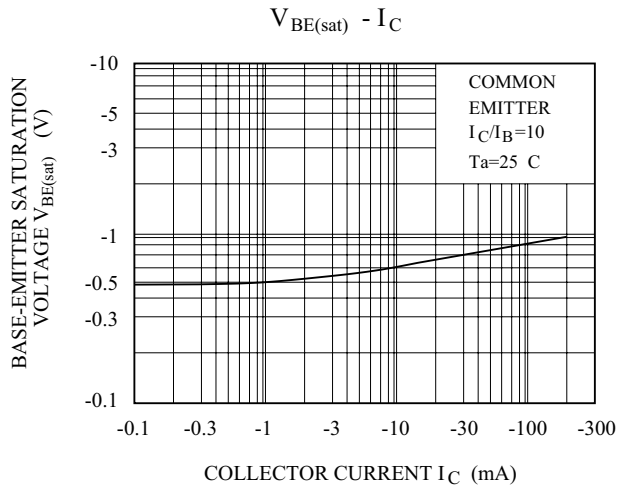
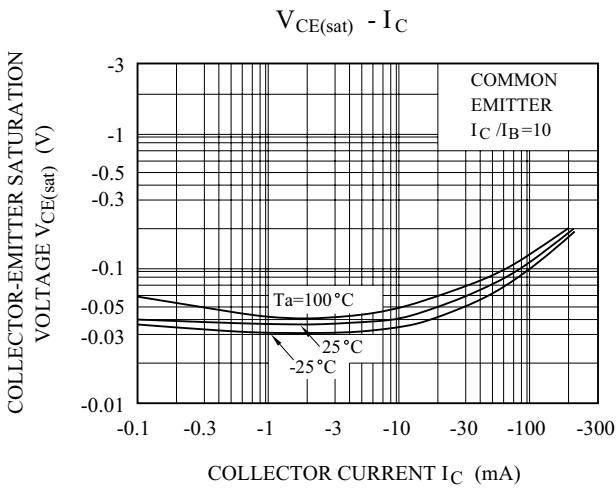
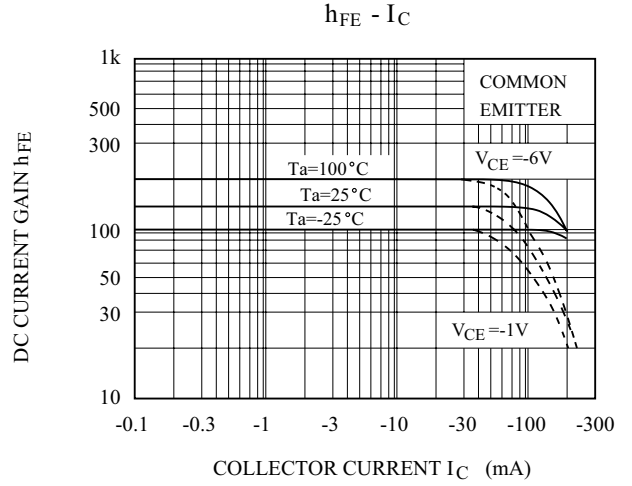
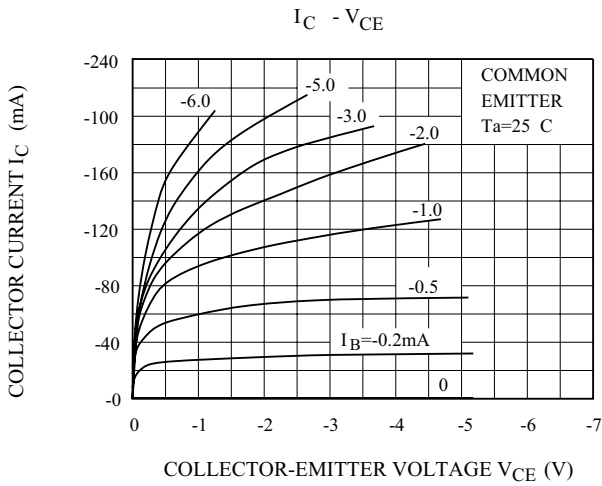
PNP General Purpose Application

TO-92S

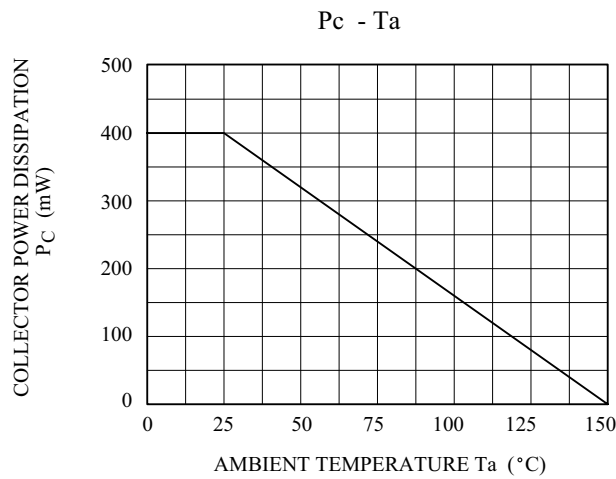


| DIM | INCHES | | MM | | NOTE |
|-----|--------|------|-------|-------|----------------------------|
| | MIN | MAX | MIN | MAX | |
| A | .056 | .064 | 1.42 | 1.62 | |
| B | .154 | .161 | 3.90 | 4.10 | |
| C | .120 | .128 | 3.05 | 3.25 | |
| D | .050 | | 1.27 | | Straight Lead Bent Lead |
| | .086 | .110 | 2.20 | 2.80 | |
| E | .096 | .104 | 2.44 | 2.64 | Straight Lead Bent Lead |
| | .173 | .220 | 4.40 | 5.60 | |
| L | .594 | .610 | 15.10 | 15.50 | |

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



KTA1267





Micro Commercial Components

Ordering Information :

| Device | Packing |
|----------------|-----------------------------|
| Part Number-AP | Ammo Packing: 30Kpcs/Carton |
| Part Number-BP | Bulk: 100Kpcs/Carton |

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

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