

2SC3279-L
2SC3279-M
2SC3279-N
2SC3279-P

Features

- High DC Current Gain and excellent h_{FE} Linearity
 $h_{FE(1)} = 140-600$ ($V_{CE}=1.0V, I_C=0.5A$)
 $h_{FE(2)} = 70$ (Min.), 200 (Typ.) ($V_{CE}=1.0V, I_C=2.0A$)
- 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)
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

| Symbol | Rating | Rating | Unit |
|-----------|-----------------------------|-------------|------|
| V_{CEO} | Collector-Emitter Voltage | 10 | V |
| V_{CES} | Collector-Emitter Voltage | 30 | V |
| V_{CBO} | Collector-Base Voltage | 30 | V |
| V_{EBO} | Emitter-Base Voltage | 6.0 | V |
| I_C | Collector Current - DC | 2.0 | A |
| | Pulsed ⁽¹⁾ | 5.0 | |
| I_B | Base Current | 0.2 | A |
| P_C | Collector power dissipation | 750 | 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

| | | | | | |
|---------------|---|-----|-----|-----|------|
| $V_{(BR)CEO}$ | Collector-Emitter Voltage ($I_C=10mA, I_B=0$) | 10 | --- | --- | Vdc |
| $V_{(BR)EBO}$ | Collector-Emitter Voltage ($I_C=1.0mA, I_B=0$) | 6.0 | --- | --- | Vdc |
| I_{CBO} | Collector Cutoff Current ($V_{CB}=30V, I_E=0$) | --- | --- | 0.1 | uAdc |
| I_{EBO} | Emitter Cutoff Current ($V_{EB}=6.0V, I_C=0$) | --- | --- | 0.1 | uAdc |

ON CHARACTERISTICS

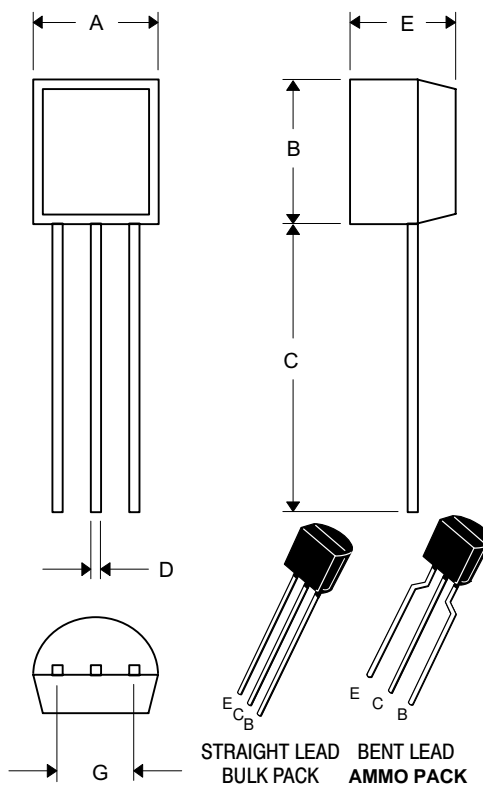
| | | | | | |
|---------------|---|-----|------|-----|-----|
| $h_{FE(1)}$ | DC Current Gain ⁽²⁾ ($I_C=0.5Adc, V_{CE}=1.0Vdc$) | 140 | --- | 600 | --- |
| $h_{FE(2)}$ | DC Current Gain ($I_C=2.0Adc, V_{CE}=1.0Vdc$) | 70 | 200 | --- | --- |
| $V_{CE(sat)}$ | Collector Saturation Voltage ($I_C=2.0Adc, I_B=50mA$) | --- | 0.2 | 0.5 | Vdc |
| V_{BE} | Base Saturation Voltage ($I_C=2.0Adc, V_{CE}=1.0Vdc$) | --- | 0.86 | 1.5 | Vdc |
| f_T | Transition Frequency ($V_{CE}=1.0Vdc, I_C=0.5Adc$) | 100 | 150 | --- | MHz |
| C_{ob} | Collector Output Capacitance ($V_{CB}=10Vdc, I_E=0, f=1.0MHz$) | --- | 27 | --- | pF |

(1) Pulse Width=10 ms (Max.), Duty Cycle=30% (Max.)

(2) $h_{FE(1)}$ Classification L: 140-240, M: 200-330, N: 300-450, P: 420-600

NPN Silicon Epitaxial Transistors

TO-92

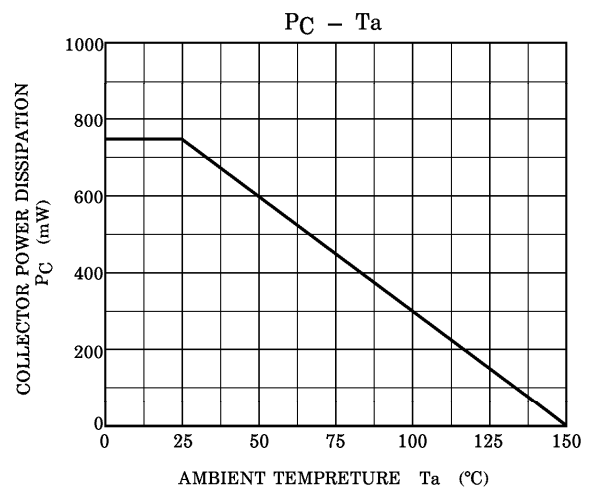
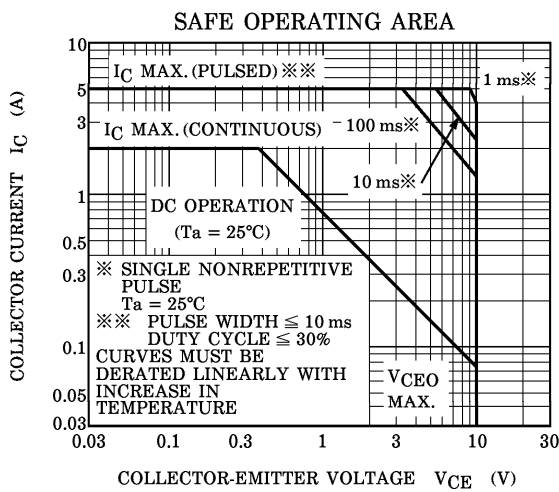
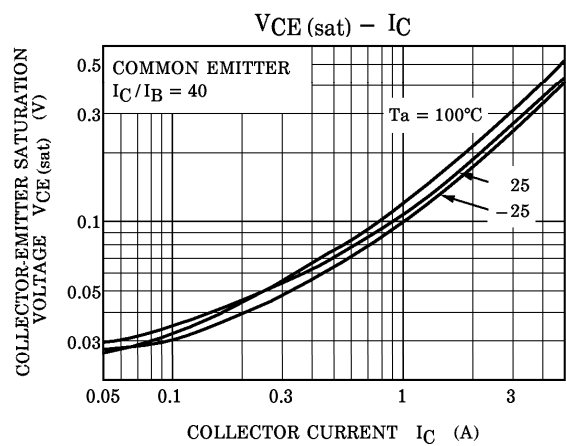
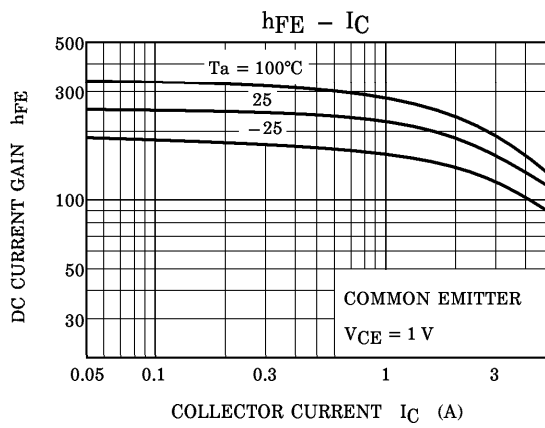
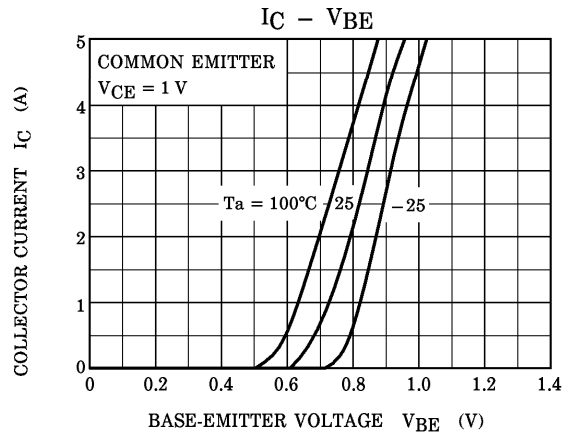
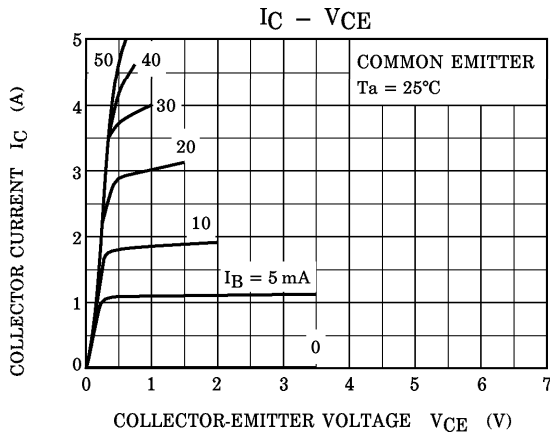


DIMENSIONS

| DIM | INCHES | | MM | | NOTE |
|-----|--------|------|-------|------|---------------|
| | MIN | MAX | MIN | MAX | |
| 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 |
| | .173 | .220 | 4.40 | 5.60 | Bent Lead |

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

2SC3279





Micro Commercial Components

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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