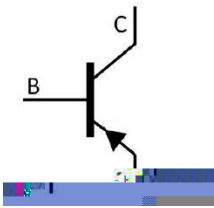


Silicon PNP transistor in a TO-92 Plastic Package.

Low current, Low voltage.

General purpose amplifier.

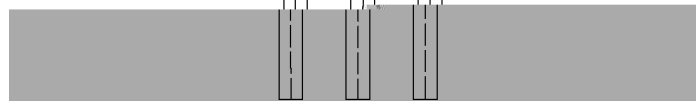
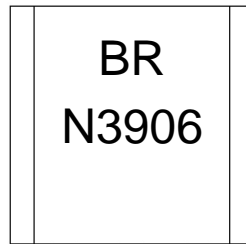


PIN1 Collector PIN 2 Base PIN 3 Emitter

See Marking Instructions.

| Parameter | Symbol | Rating | Unit |
|--------------------------------|-----------|---------|------|
| Collector to Base Voltage | V_{CBO} | -40 | V |
| Collector to Emitter Voltage | V_{CEO} | -40 | V |
| Emitter to Base Voltage | V_{EBO} | -5.0 | V |
| Collector Current - Continuous | I_C | -200 | mA |
| Collector Power Dissipation | P_C | 625 | mW |
| Junction Temperature | T_j | 150 | |
| Storage Temperature Range | T_{stg} | -55 150 | |

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---|---------------|---|------|-----|-------|---------|
| Collector to Base Breakdown Voltage | V_{CBO} | $I_C=-10\mu A$ $I_E=0$ | -40 | | | V |
| Collector to Emitter Breakdown Voltage | V_{CEO} | $I_C=-1.0mA$ $I_B=0$ | -40 | | | V |
| Emitter to Base Breakdown Voltage | V_{EBO} | $I_E=-10\mu A$ $I_C=0$ | -5.0 | | | V |
| Collector Cut-Off Current | I_{CBO} | $V_{CB}=-40V$ $I_E=0$ | | | -0.1 | μA |
| Emitter Cut-Off Current | I_{EBO} | $V_{EB}=-5.0V$ $I_C=0$ | | | -0.1 | μA |
| DC Current Gain | $h_{FE(1)}$ | $V_{CE}=-1.0V$ $I_C=-10mA$ | 100 | | 300 | |
| | $h_{FE(2)}$ | $V_{CE}=-1.0V$ $I_C=-100mA$ | 30 | | | |
| Collector to Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C=-50mA$ $I_B=-5.0mA$ | | | -0.4 | V |
| Base to Emitter Saturation Voltage | $V_{BE(sat)}$ | $I_C=-50mA$ $I_B=-5.0mA$ | | | -0.95 | V |
| Current Gain Bandwidth Product | f_T | $I_C=-10mA$ $f=100MHz$ $V_{CE}=-20V$ | 250 | | | MHz |
| Output Capacitance | C_{ob} | $V_{CB}=-5.0V$ $I_E=0$ $f=100KHz$ | | | 4.5 | pF |
| Turn On Time | T_{on} | $V_{CC}=-3.0V$ $I_C=-10mA$ $V_{BE}=-0.5V$ $I_{B1}=-1.0mA$ | | | 0.07 | μs |
| Turn Off Time | T_{off} | $V_{CC}=-3.0V$ $I_C=-10mA$ $I_{B1}=-I_{B2}=-1.0mA$ | | | 0.3 | μs |

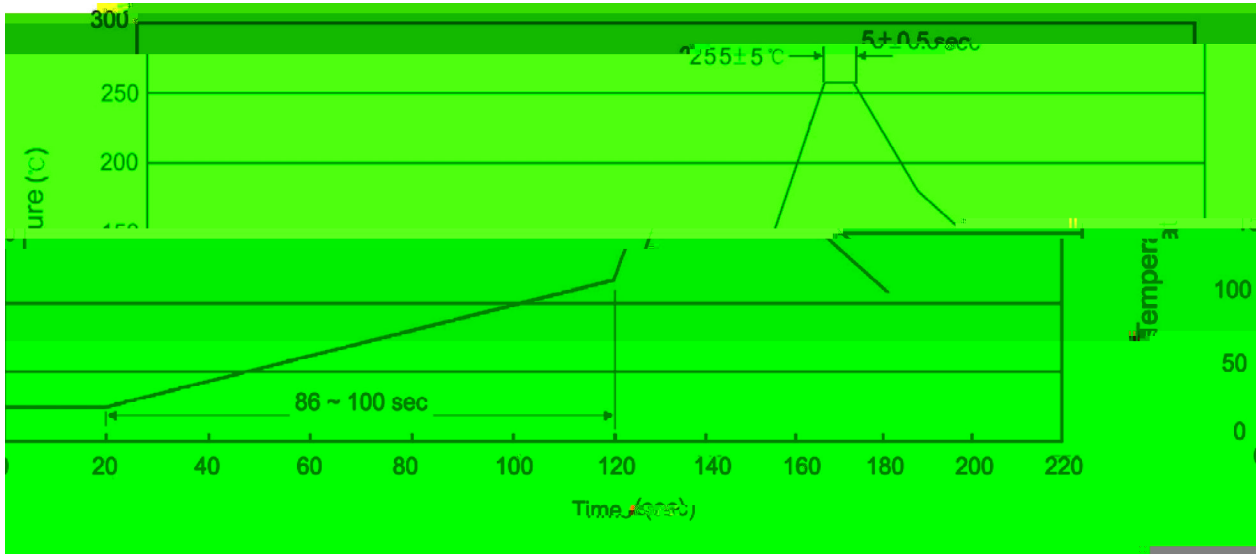


Note:

BR: Company Code.

N3906: Product Type.

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


Note:

- | | | | | | |
|---|-----|-----|----|----------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255 | 5 | 5 | 0.5sec; | 2.Peak Temp.:255 5 , Duration:5 0.5sec. |
| 3 | | | 2 | 10 /sec. | 3. Cooling Speed: 2~10 /sec. |

270 5

10 1 sec.

Temp.:270±5

Time:.(pe.9c408Tf13.2(i)-1.2(me:6/TT