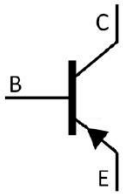


TO-92(R)      PNP      Silicon PNP transistor in a TO-92(R) Plastic Package.

High Voltage, Low Noise.

General purpose and switching application.

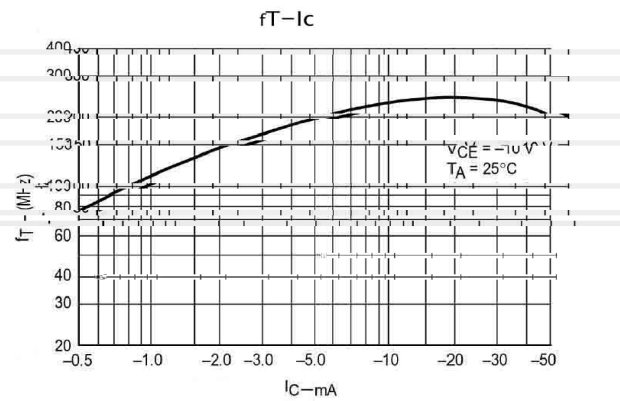
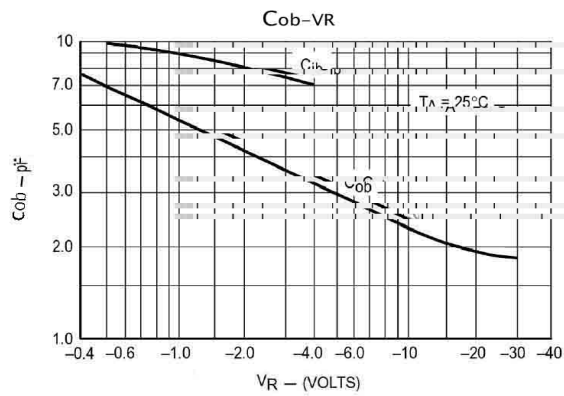
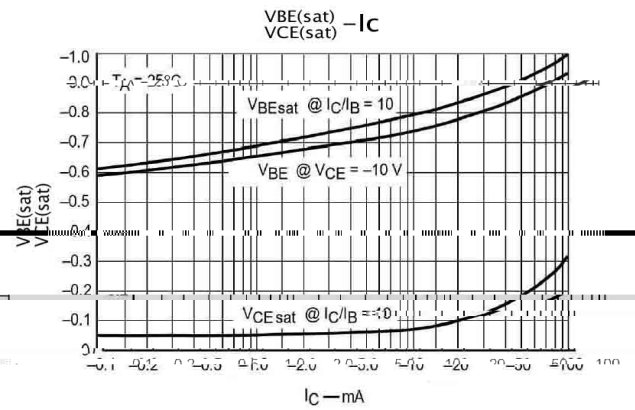
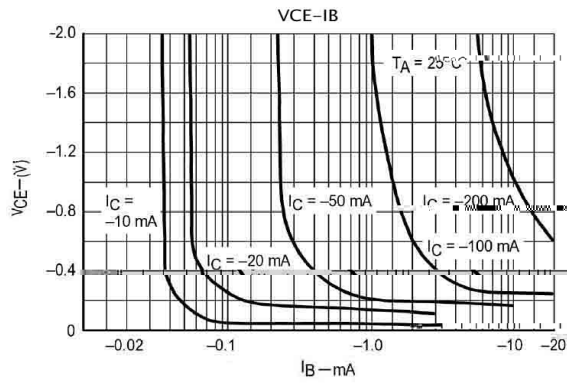
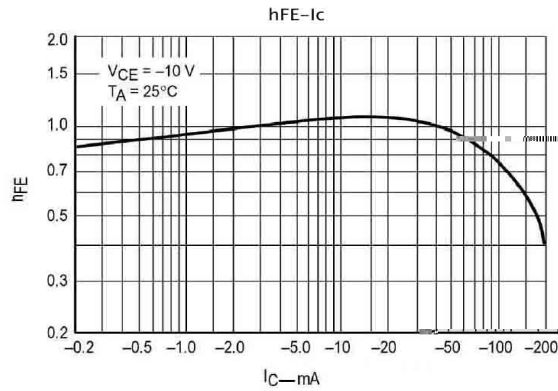


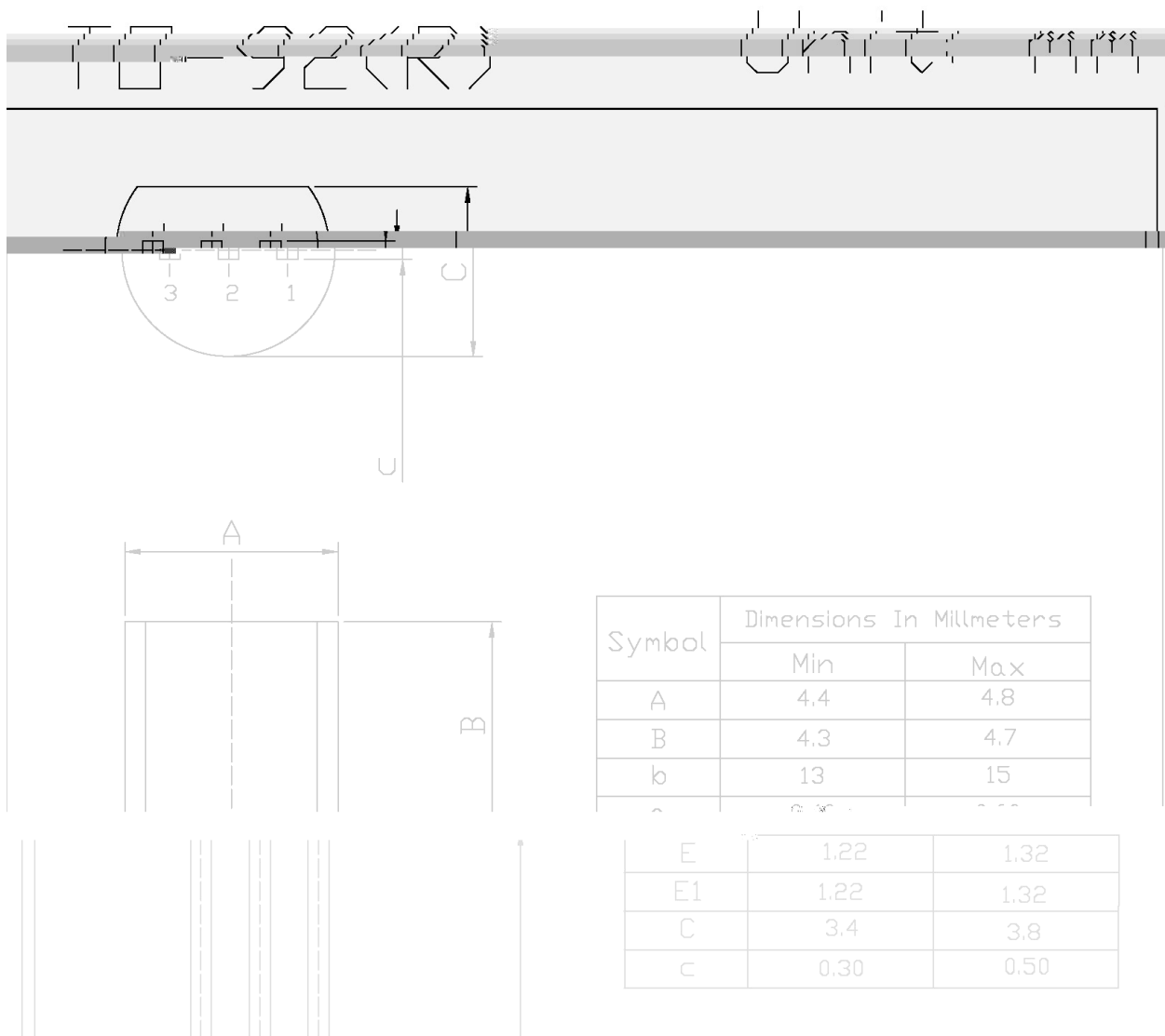
PIN1    Emitter      PIN 2    Base      PIN 3    Collector

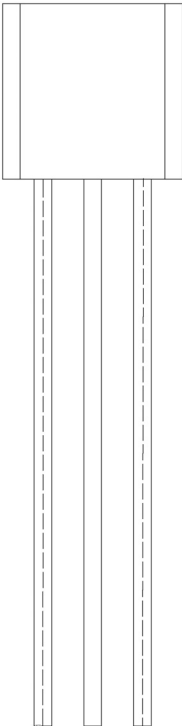
| $h_{FE}$ Classifications<br>Symbol | A          | B          | C          |
|------------------------------------|------------|------------|------------|
| $h_{FE}$ Range                     | 125    250 | 220    475 | 420    800 |

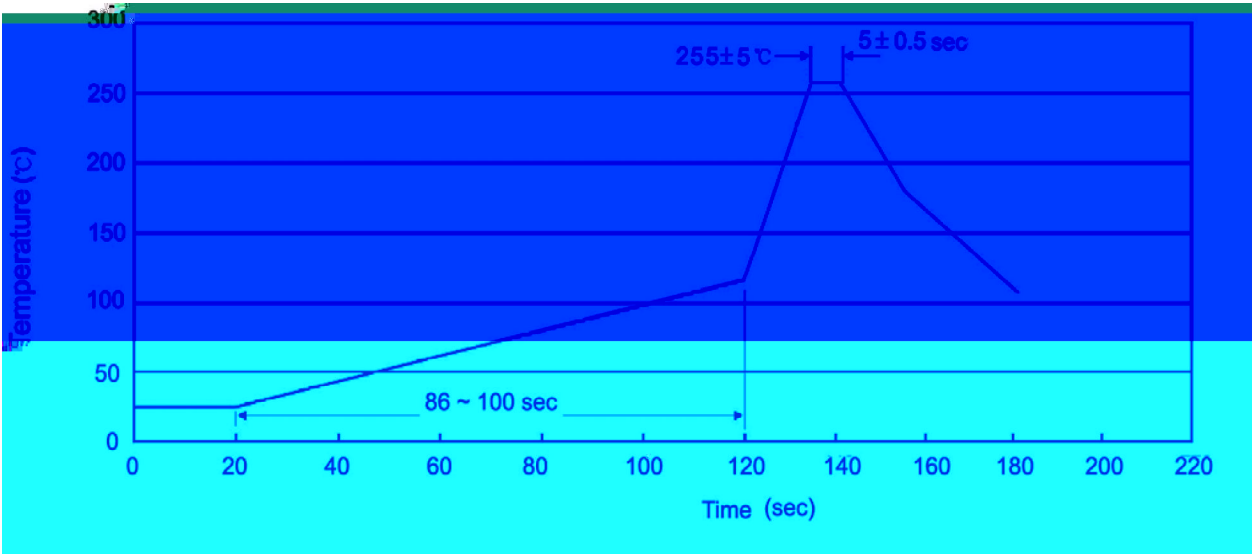
| Parameter                      | Symbol    | Rating  | Unit |
|--------------------------------|-----------|---------|------|
| Collector to Base Voltage      | $V_{CBO}$ | -30     | V    |
| Collector to Emitter Voltage   | $V_{CEO}$ | -30     | V    |
| Emitter to Base Voltage        | $V_{EBO}$ | -5.0    | V    |
| Collector Current - Continuous | $I_C$     | -100    | mA   |
| Emitter Current - Continuous   | $I_E$     | 100     | 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 Cut-Off Current            | $I_{CBO}$     | $V_{CB}=-30V$ $I_E=0$                                     |      |      | -0.015 | $\mu A$ |
| DC Current Gain                      | $h_{FE}$      | $V_{CE}=-5.0V$ $I_C=-2.0mA$                               | 125  |      | 800    |         |
| Collector-Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C=-100mA$ $I_B=-5.0mA$                                 |      |      | -0.65  | V       |
| Base-Emitter Saturation Voltage      | $V_{BE(sat)}$ | $I_C=-100mA$ $I_B=-5.0mA$                                 |      | -0.9 | -1.1   | V       |
| Base-Emitter Voltage                 | $V_{BE(1)}$   | $V_{CE}=-5.0V$ $I_C=-2.0mA$                               | -0.6 |      | -0.75  | V       |
|                                      | $V_{BE(2)}$   | $V_{CE}=-5.0V$ $I_C=-10mA$                                |      |      | -0.8   | V       |
| Current Gain Bandwidth Product       | $f_T$         | $V_{CE}=-5.0V$ $I_C=-10mA$<br>$f=100MHz$                  |      | 150  |        | MHz     |
| Transition Frequency                 | $C_{ob}$      | $V_{CB}=-10V$ $f=1.0MHz$                                  |      | 4.5  |        | pF      |
| Noise Figure                         | NF            | $V_{CE}=-6.0V$ $I_C=-0.1mA$<br>$R_g=10K\Omega$ $f=1.0KHz$ |      | 1.0  | 10     | dB      |









Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10 /sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
3. Cooling Speed: 2~10

/sec.

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec

/ BULK

| Package Type<br>封装形式 | Units 包装数量 |     |     |     |     | Dimension 包装尺寸 (unit: mm3) |   |   |
|----------------------|------------|-----|-----|-----|-----|----------------------------|---|---|
|                      | 只 袋        | 袋 盒 | 只 盒 | 盒 箱 | 只 箱 | 袋                          | 盒 | 箱 |
|                      |            |     |     |     |     |                            |   |   |
|                      |            |     |     |     |     |                            |   |   |

/ AMMO

| Package Type<br>封装形式 | Units 包装数量 |      |       |     |     | Dimension 包装尺寸 (unit: mm3) |            |
|----------------------|------------|------|-------|-----|-----|----------------------------|------------|
|                      | 只 纸带       | 纸带 盒 | 纸带层 盒 | 盒 箱 | 只 箱 | 盒                          | 箱          |
|                      |            |      |       |     |     |                            | 小箱 ,<br>大箱 |
|                      |            |      |       |     |     |                            |            |