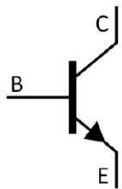


Silicon NPN transistor in a TO-220 Plastic Package.

High voltage.

High voltage switching and humidifier.

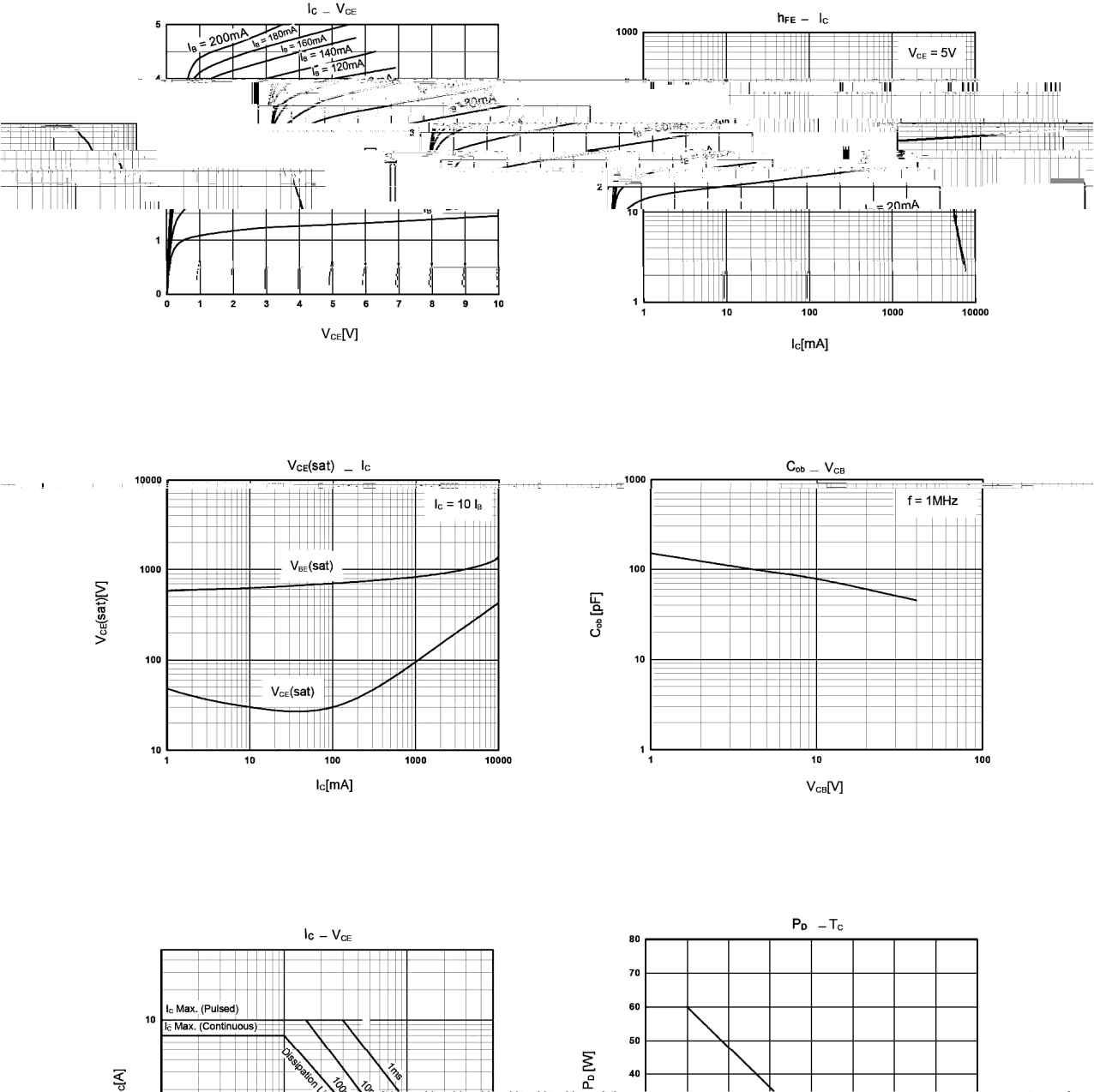


PIN1 Base      PIN 2 Collector      PIN 3 Emitter

See Marking Instructions.

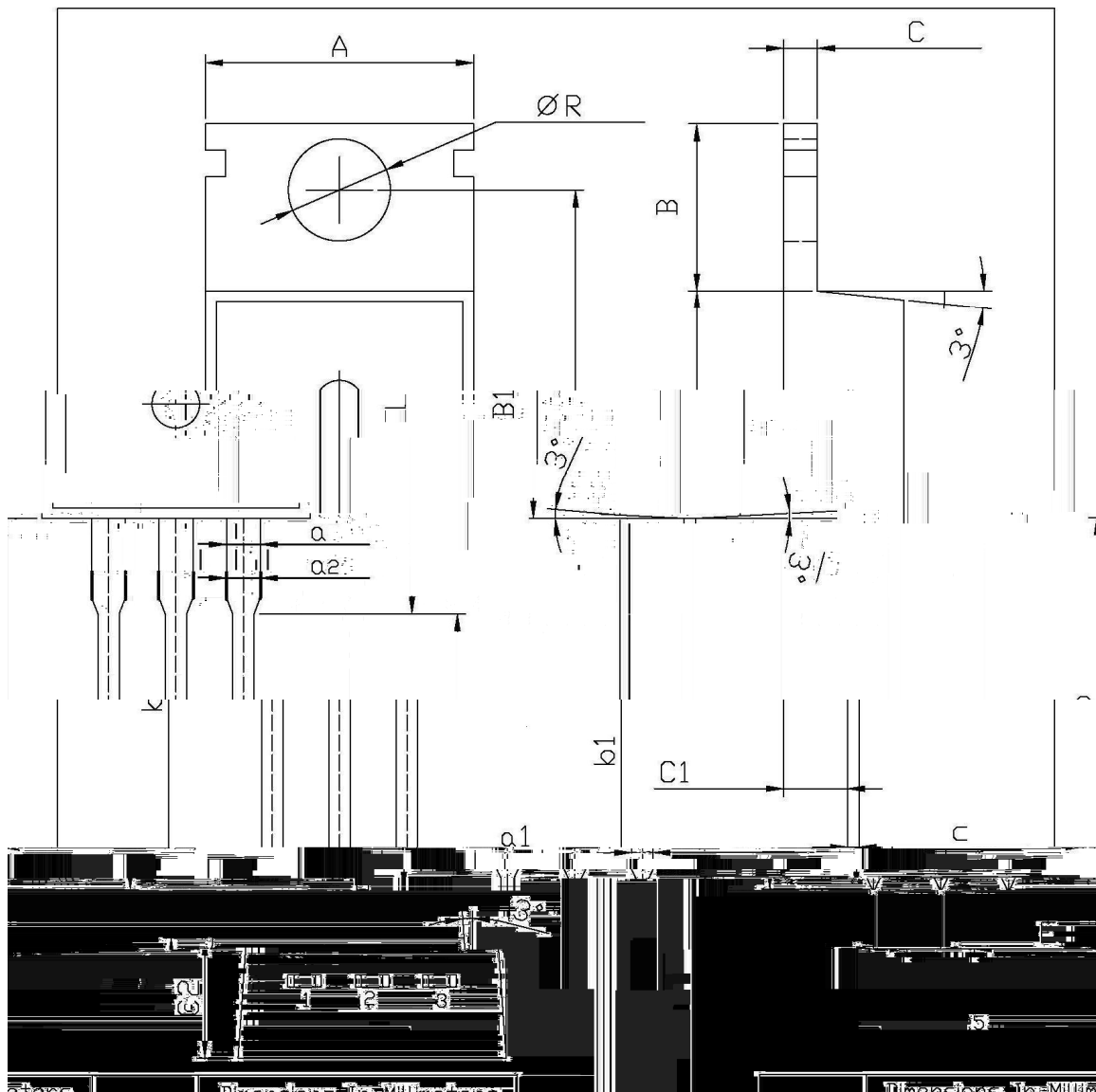
| Parameter                    | Symbol    | Rating  | Unit |
|------------------------------|-----------|---------|------|
| Collector to Base Voltage    | $V_{CBO}$ | 400     | V    |
| Collector to Emitter Voltage | $V_{CEO}$ | 200     | V    |
| Emitter to Base Voltage      | $V_{EBO}$ | 6.0     | V    |
| Collector Current(DC)        | $I_C$     | 7.0     | A    |
| Collector Current(Pulse)     | $I_{CP}$  | 10      | A    |
| Base Current                 | $I_B$     | 4.0     | A    |
| Collector Dissipation        | $P_C$     | 60      | W    |
| Junction Temperature         | $T_j$     | 150     |      |
| Storage Temperature Range    | $T_{stg}$ | -55~150 |      |

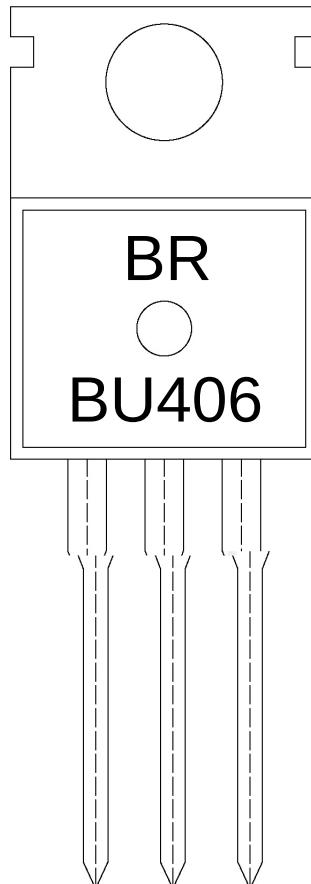
| Parameter                               | Symbol        | Test Conditions                       | Min | Typ | Max  | Unit    |
|-----------------------------------------|---------------|---------------------------------------|-----|-----|------|---------|
| Collector Cut-Off Current               | $I_{CBO}$     | $V_{CB}=400V$ $I_E=0$                 |     |     | 10   | $\mu A$ |
| Collector Cut-Off Current               | $I_{CEO}$     | $V_{CE}=200V$ $I_B=0$                 |     |     | 50   | $\mu A$ |
| Emitter Cut-Off Current                 | $I_{EBO}$     | $V_{BE}=6.0V$ $I_C=0$                 |     |     | 10   | $\mu A$ |
| Collector Cut-Off Current               | $I_{CES(1)}$  | $V_{CE}=400V$ $V_{BE}=0$              |     |     | 5    | mA      |
|                                         | $I_{CES(2)}$  | $V_{CE}=250V$ $V_{BE}=0$              |     |     | 100  | $\mu A$ |
|                                         | $I_{CES(3)}$  | $V_{CE}=250V$ $V_{BE}=0$<br>$T_C=150$ |     |     | 1.0  | mA      |
| DC Current Gain                         | $h_{FE}$      | $V_{CE}=5.0V$ $I_C=2.0A$              | 60  |     | 120  |         |
| Collector to Emitter Saturation Voltage | $V_{CE(sat)}$ | $I_C=5.0A$ $I_B=0.5A$                 |     |     | 1.0  | V       |
| Base to Emitter Saturation Voltage      | $V_{BE(sat)}$ | $I_C=5.0A$ $I_B=0.5A$                 |     |     | 1.2  | V       |
| Current Gain Bandwidth Product          | $f_T$         | $V_{CE}=10V$ $I_C=0.5A$               | 10  |     |      | MHz     |
| Turn-Off Time                           | $t_{off}$     | $I_C=5.0A$ $I_B=0.5A$                 |     |     | 0.75 | $\mu S$ |



T0-220

单位: 





BR

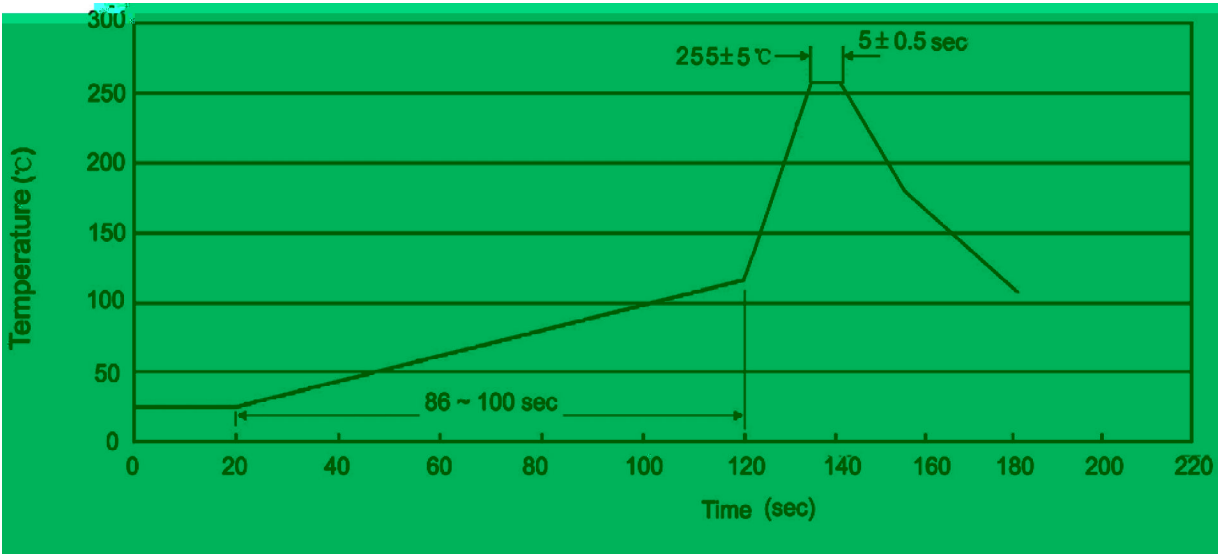
BU406

Note:

BR: Company Code

BU406: Product Type.

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



Note:

- 1256090sec;

2255550.5sec;

3210/sec.
- 1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255 5 , Duration:5 0.5sec.

3. Cooling Speed: 2~10 /sec.

270 510 1 sec.Temp.:270±5Time:10±1 sec

/ BULK

| Package Type<br>封装形式 | Units 包装数量 |     |     |     |     | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |   |   |
|----------------------|------------|-----|-----|-----|-----|-----------------------------------------|---|---|
|                      | 只 袋        | 袋 盒 | 只 盒 | 盒 箱 | 只 箱 | 袋                                       | 盒 | 箱 |
|                      |            |     |     |     |     |                                         |   |   |

/ TUBE

| Package Type<br>封装形式 | Units 包装数量 |      |     |     |     | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |   |   |
|----------------------|------------|------|-----|-----|-----|-----------------------------------------|---|---|
|                      | 只 套管       | 套管 盒 | 只 盒 | 盒 箱 | 只 箱 | 套管                                      | 盒 | 箱 |
|                      |            |      |     |     |     |                                         |   |   |



加湿器原理图