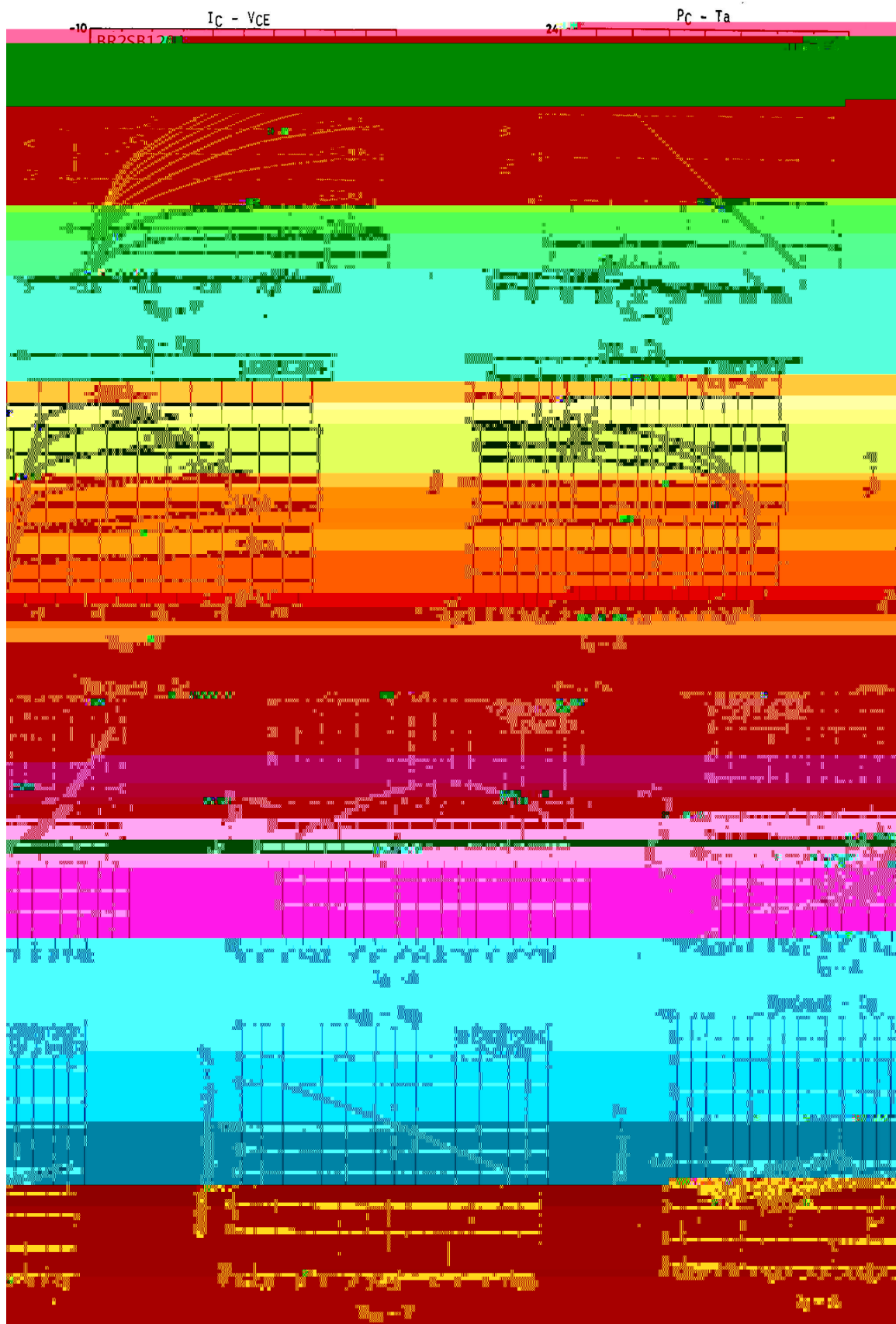




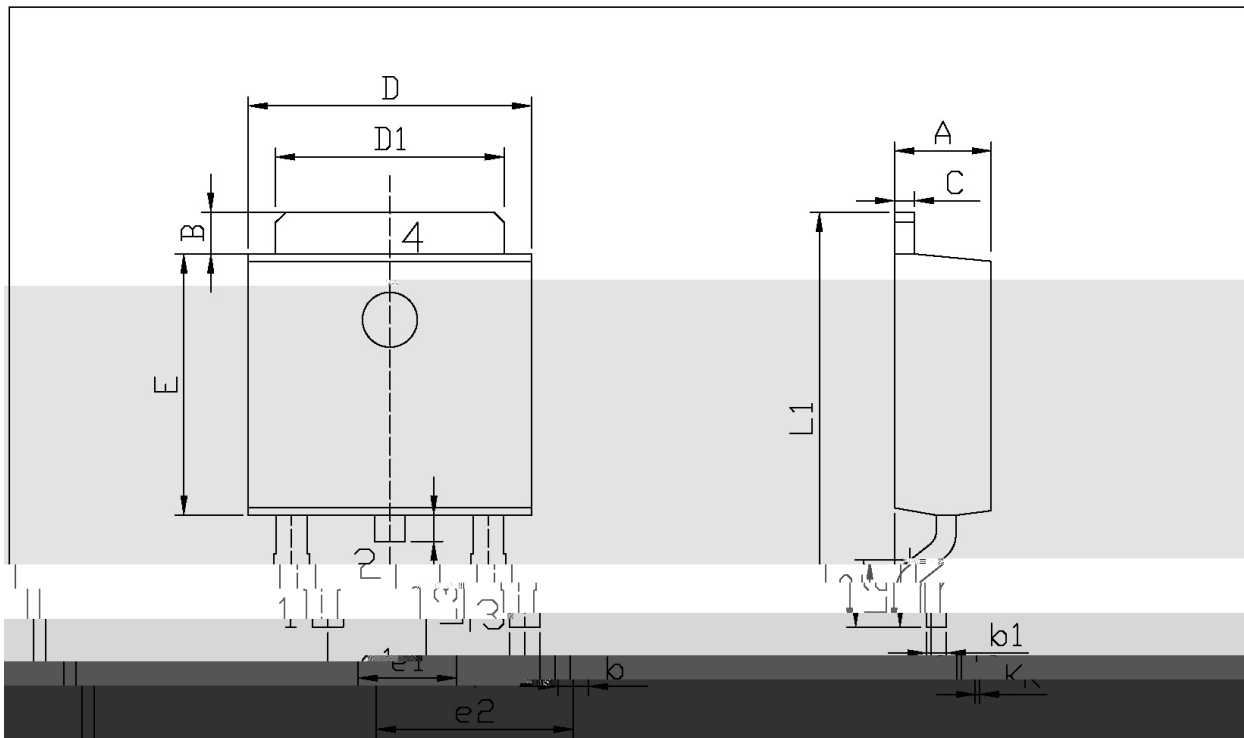
| Parameter                             | Symbol                 | Rating | Unit        |
|---------------------------------------|------------------------|--------|-------------|
| Collector to Base Voltage             | $V_{CBO}$              | -60    | V           |
| Collector to Emitter Voltage          | $V_{CEO}$              | -50    | V           |
| Emitter to Base Voltage               | $V_{EBO}$              | -6.0   | V           |
| Collector Current - Continuous        | $I_C$                  | -8.0   | A           |
| Collector Current – Continuous(Pulse) | $I_{CP}$               | -12    | A           |
| Collector Power Dissipation           | $P_C(T_C=25^{\circ}C)$ | 1.0    | W           |
| Junction Temperature                  | $T_j$                  | 20     | W           |
| Storage Temperature Range             | $T_{stg}$              | 150    | $^{\circ}C$ |

| Parameter                              | Symbol    | Test Conditions              | Min  | Typ | Max | Unit |
|----------------------------------------|-----------|------------------------------|------|-----|-----|------|
| Collector to Base Breakdown Voltage    | $V_{CBO}$ | $I_C=-10\mu A$ $I_E=0$       | -60  |     |     | V    |
| Collector to Emitter Breakdown Voltage | $V_{CEO}$ | $I_C=-1.0mA$ $R_{BE}=\infty$ | -50  |     |     | V    |
| Emitter to Base Breakdown Voltage      | $V_{EBO}$ | $I_E=-10\mu A$ $I_C=0$       | -6.0 |     |     | V    |

/ Electrical Characteristic Curve



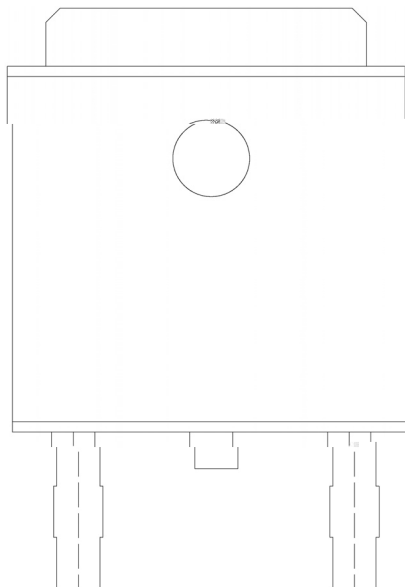
## / Package Dimensions



单位: mm

|    |  |  |        | Dimensions In Millimeters |      |        | Dimensions In Millimeters |      |
|----|--|--|--------|---------------------------|------|--------|---------------------------|------|
|    |  |  | Symbol | Min                       | Max  | Symbol | Min                       | Max  |
|    |  |  | A      | 2.20                      | 2.40 | E      | 5.95                      | 6.25 |
|    |  |  |        |                           |      |        |                           |      |
|    |  |  | B1     | 0.45                      | 0.55 | F1     | 9.45                      | 9.8  |
| b  |  |  | C      | 0.45                      | 0.55 | F2     | 1.25                      | 1.7  |
| 0  |  |  | D      | 6.45                      | 6.75 | L3     | 0.60                      | 0.   |
| 10 |  |  | D1     | 5.10                      | 5.50 | K      | 0.00                      | 0.   |

**/ Marking Instructions**



BR

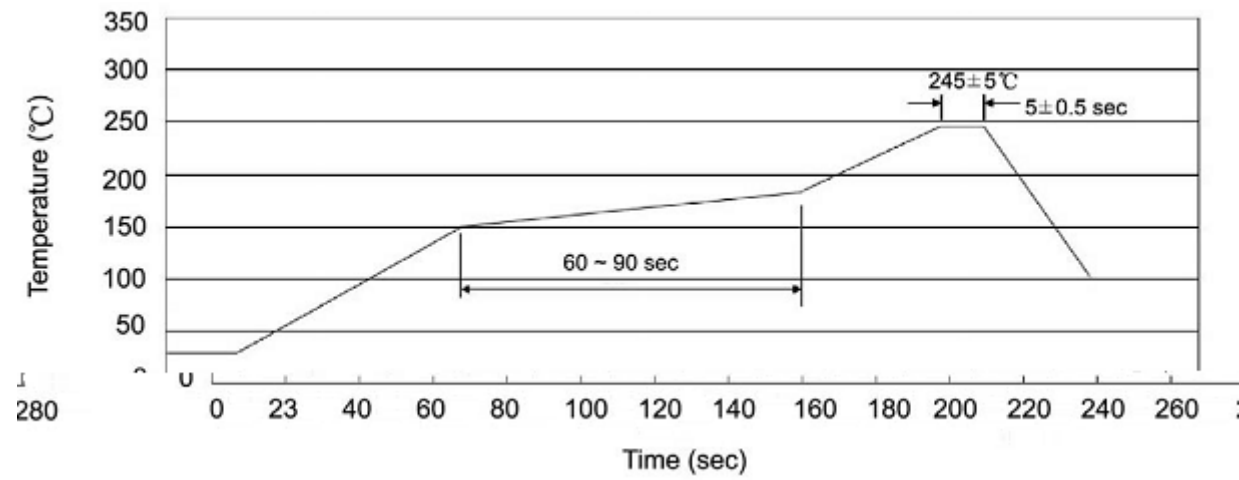
$h_{FE}$

Note:

BR:                      Company Code

B1204:

( ) /



Note:

- 1

25 150

60 90sec;

1.Preheating:25~150 , Time:60~90sec.
- 2

245 5

5 0.5sec;

2.Peak Temp.:245 5 , Duration:5 0.5sec.
- 3

2 10 /sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260 5                      10 1 sec.                      Temp.:260±5℃                      Time:10±1 sec

/ Packaging SPEC.

/ REEL

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