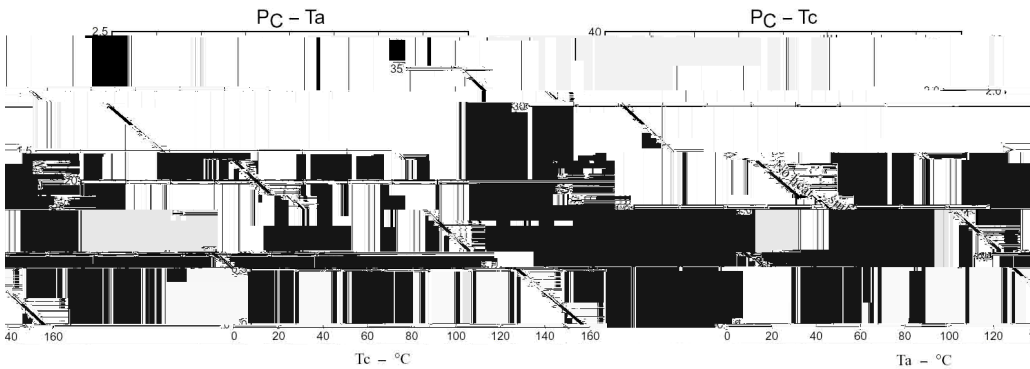
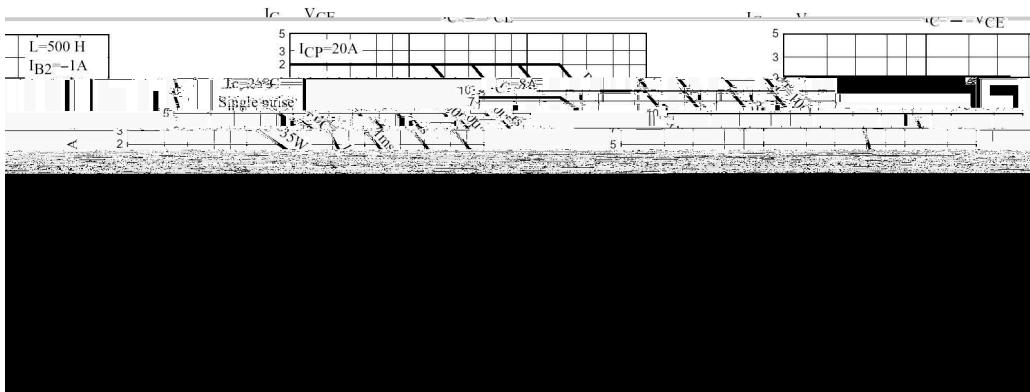
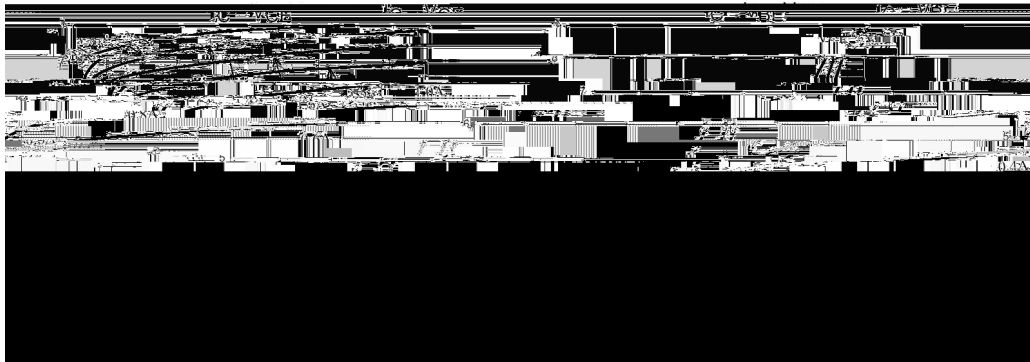


**TT2190**

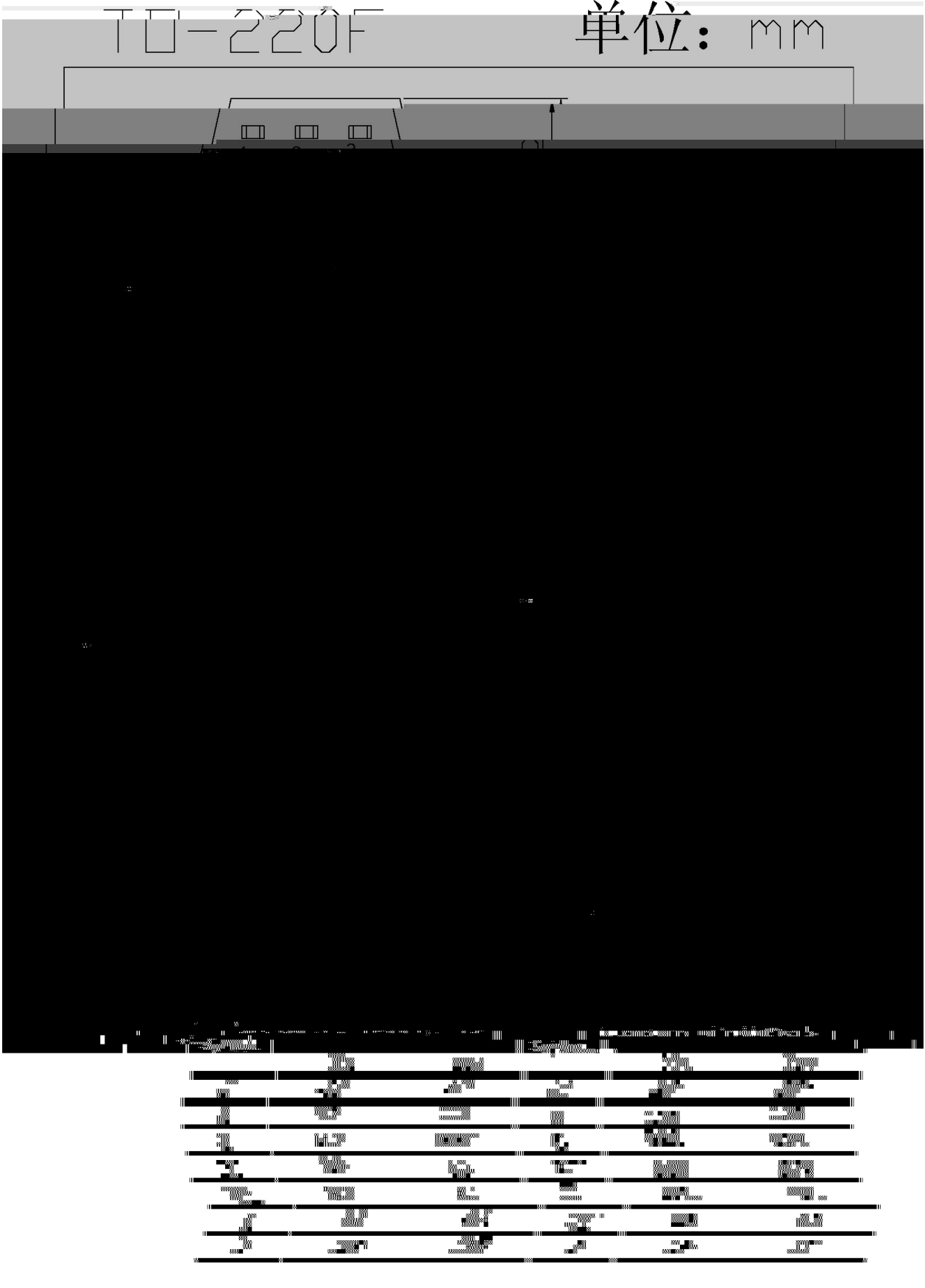
Rev.F Mar.-2016

| Parameter                    | Symbol         | Rating | Unit |
|------------------------------|----------------|--------|------|
| Collector to Base Voltage    | $V_{CBO(sus)}$ | 1500   | V    |
| Collector to Emitter Voltage | $V_{CEO}$      | 800    | V    |
| Emitter to Base Voltage      | $V_{EBO}$      | 6.0    | V    |

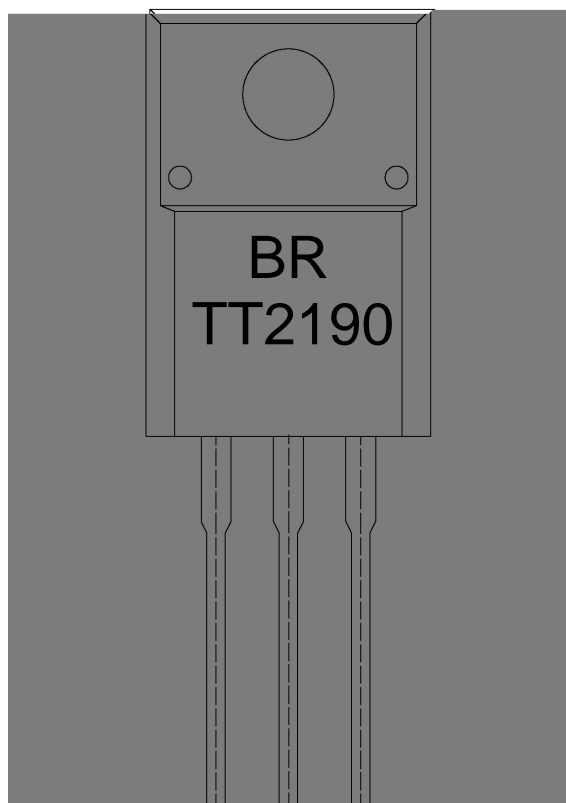
/ Electrical Characteristic Curve



/ Package Dimensions



/ Marking Instructions



BR

TT2190

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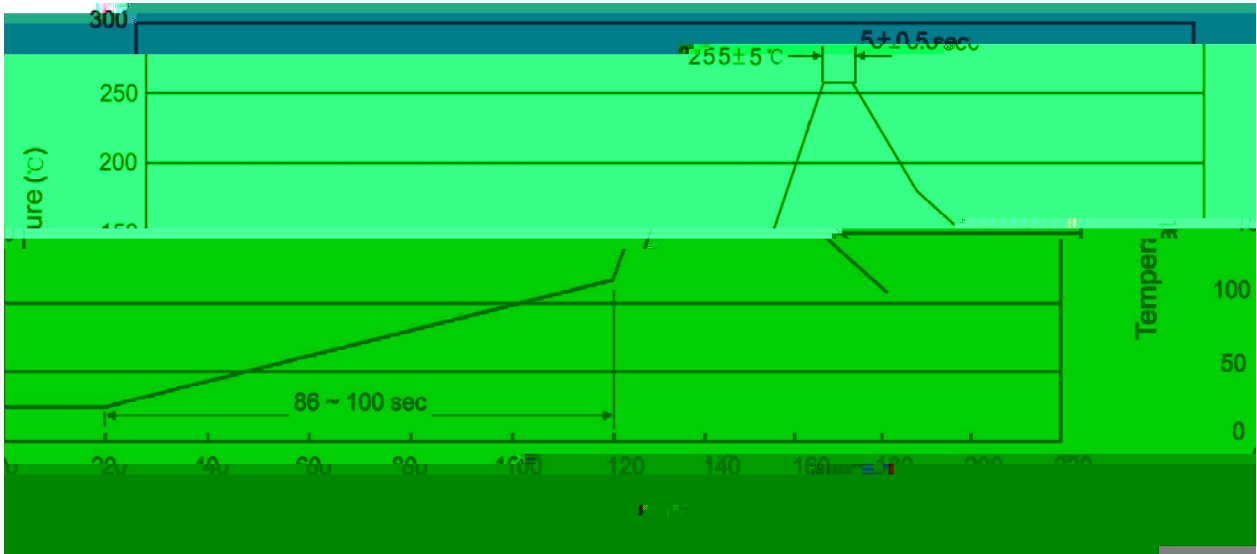
Note:

BR: Company Code.

TT2190: Product Type.

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

( ) / Temperature Profile for Dip Soldering(Pb-Free)



Note:

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

/ Resistance to Soldering Heat Test Conditions

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

/ Packaging SPEC.

/ BULK

| Package Type | Units |  |  |  | Dimension |  |  | (unit mm <sup>3</sup> ) |
|--------------|-------|--|--|--|-----------|--|--|-------------------------|
|              |       |  |  |  |           |  |  |                         |
|              |       |  |  |  |           |  |  |                         |

/ TUBE

| Package Type | Units |  |  |  | Dimension |  |  | (unit mm <sup>3</sup> ) |
|--------------|-------|--|--|--|-----------|--|--|-------------------------|
|              |       |  |  |  |           |  |  |                         |
|              |       |  |  |  |           |  |  |                         |

/ Notices