

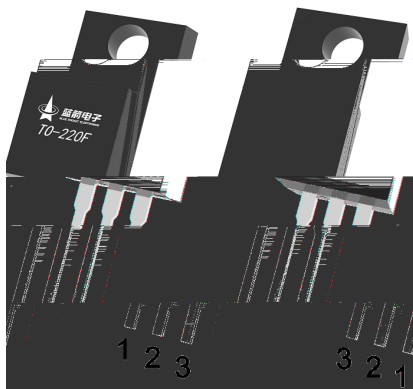
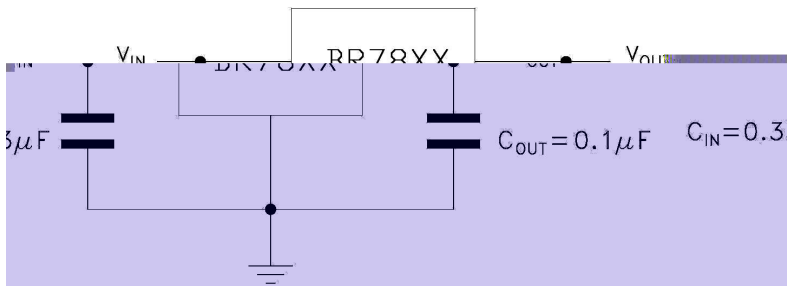
TO-220F

Voltage Regulator in a TO-220F Plastic Package.

1.5A,

3-Terminal regulators ,output current up to 1.5A, internal thermal overload protection and short-circuit limiting.

Voltage Regulator.



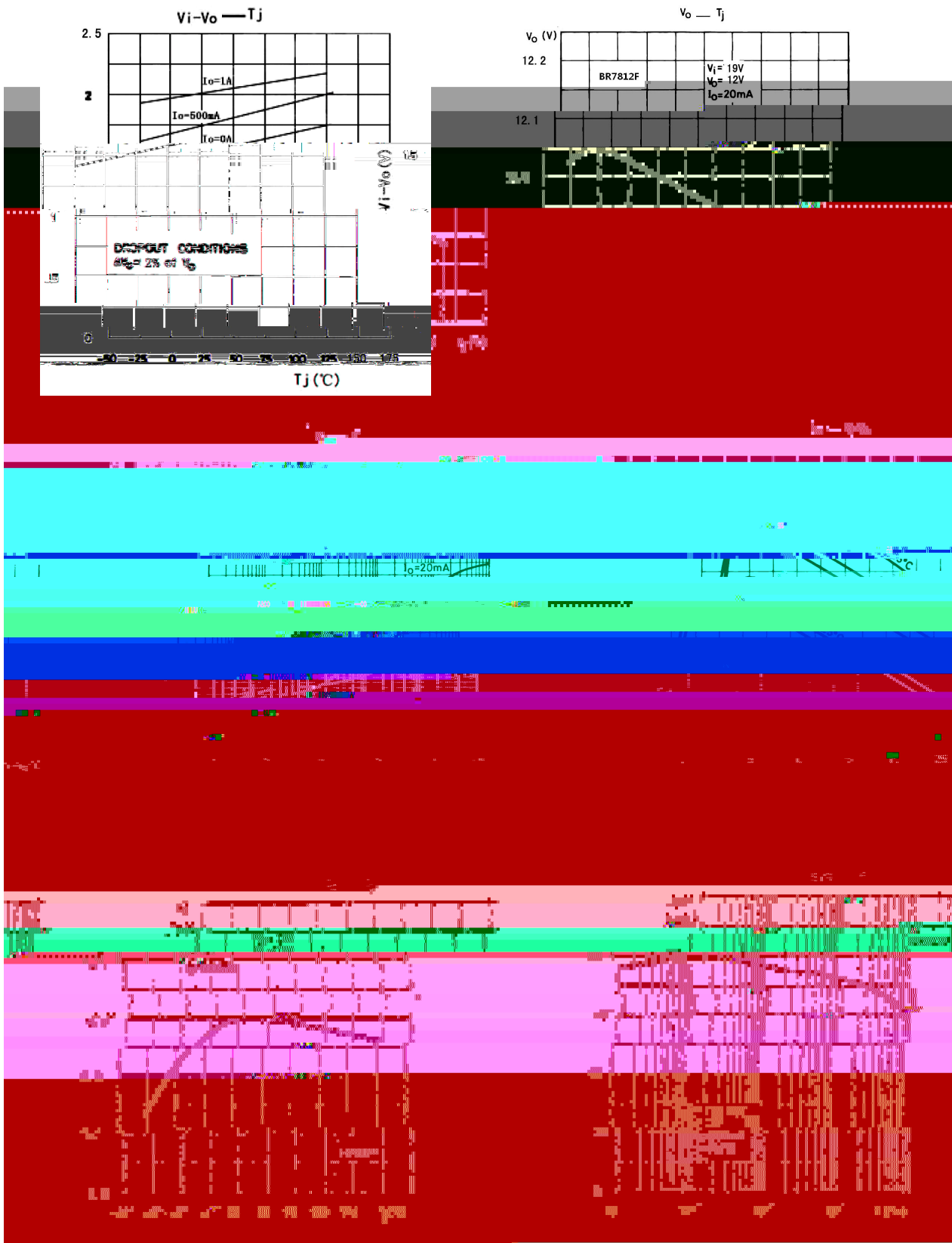
PIN1 IN

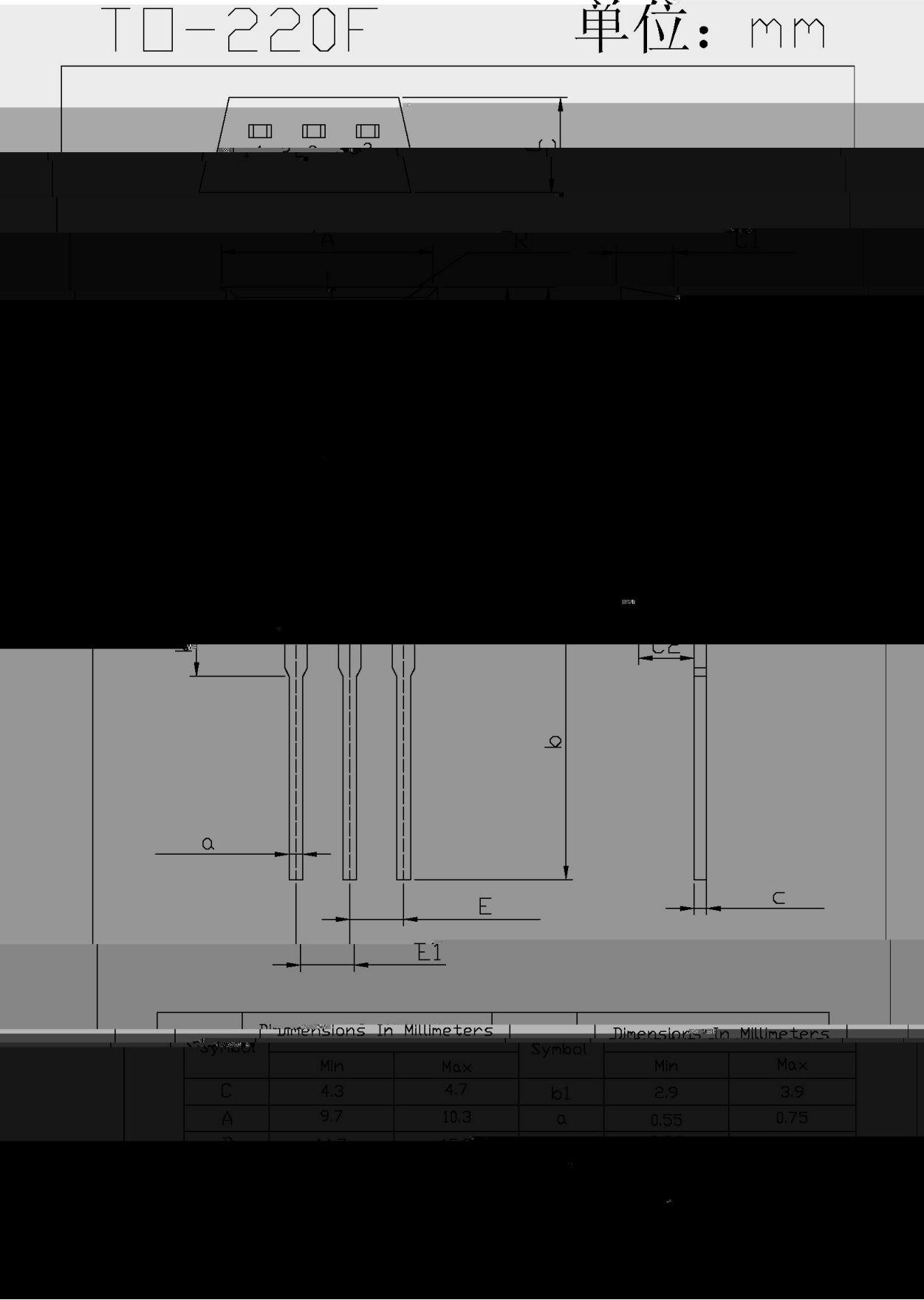
PIN 2 GND

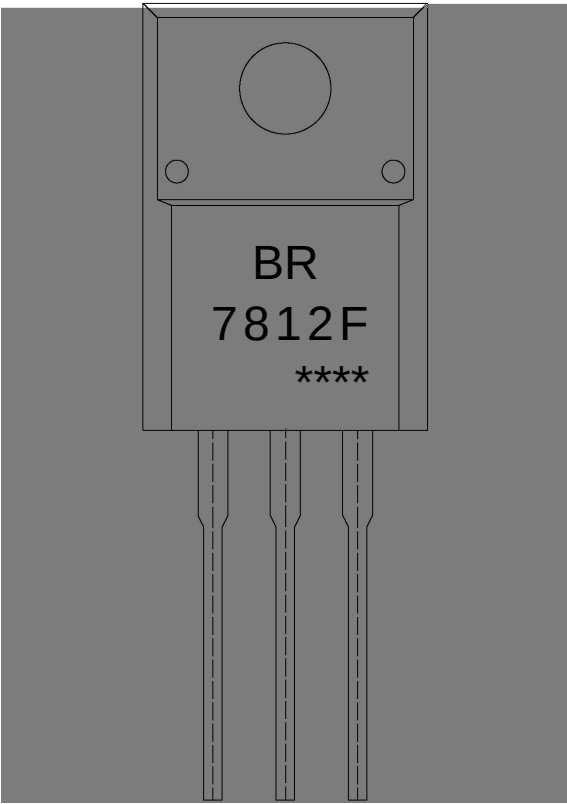
PIN 3 OUT

See Marking Instructions.

| Parameter                           | Symbol          | Rating | Unit |
|-------------------------------------|-----------------|--------|------|
| Input voltage                       | $V_i$           | 35     | V    |
| Thermal Resistance Junction-ambient | $R_{\theta JA}$ |        |      |







BR

7812F

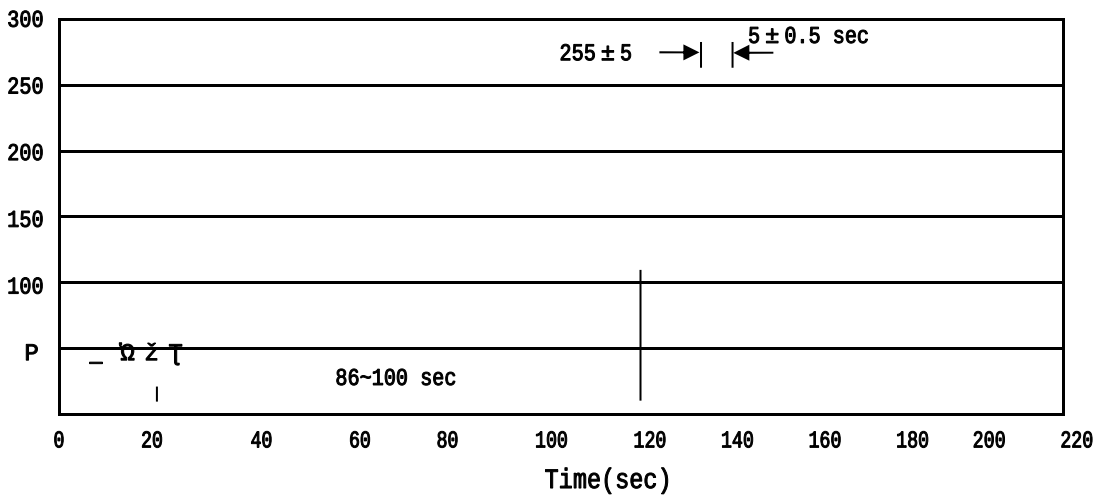
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Note:

BR: Company Code

7812F: 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:10±1 sec

/ BULK

| Package Type | Units |    |       |   |        | Dimension (unit mm <sup>3</sup> ) |             |             |
|--------------|-------|----|-------|---|--------|-----------------------------------|-------------|-------------|
|              |       |    |       |   |        |                                   |             |             |
| TO-220/F     | 200   | 10 | 2,000 | 5 | 10,000 | 135×190                           | 237×172×102 | 560×245×195 |

/ TUBE

| Package Type | Units |    |       |   |       | Dimension (unit mm <sup>3</sup> ) |            |             |
|--------------|-------|----|-------|---|-------|-----------------------------------|------------|-------------|
|              |       |    |       |   |       |                                   |            |             |
| TO-220/F     | 50    | 20 | 1,000 | 5 | 5,000 | 532×31.4×5.5                      | 555×164×50 | 575×290×180 |