

TO-3P

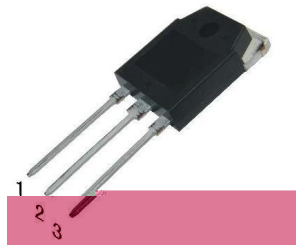
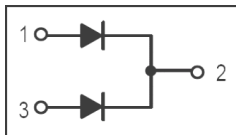
Schottky Barrier Diode in a TO-3P Plastic Package.

Low forward voltage drop, low power losses, High efficiency operation.

OR-ing

DC-DC

For use in high frequency inverters, switching power supplies, freewheeling diodes, OR-ing diode, dc-to-dc converters and reverse battery protection.



PIN1 Anode PIN 2 Cathode PIN 3 Anode

See Marking Instructions.

| Parameter                                                                              | Symbol                            | Rating        | Unit          |
|----------------------------------------------------------------------------------------|-----------------------------------|---------------|---------------|
| Peak Repetitive Reverse Voltage<br>Working Peak Reverse Voltage<br>DC Blocking Voltage | $V_{RM}$<br>$V_{RWM}$<br>$V_{DC}$ | 200           | V             |
| RMS Reverse Voltage                                                                    | $V_{RMS}$                         | 140           | V             |
| Average forward current                                                                | $I_{F(AV)}$                       | $2 \times 15$ | A             |
| Non-Repetitive Peak Forward Surge Current                                              | $I_{FSM}$                         | 200           | A             |
| Thermal Resistance Junction to Ambient case                                            | $R_{JC}$                          | 1.4           | $^{\circ}C/W$ |
| Operating and Storage Temperature Range                                                | $T_j$ $T_{stg}$                   | -40 +150      | $^{\circ}C$   |

| Parameter                                 | Symbol       | Test Conditions              | Min | Typ  | Max  | Unit |
|-------------------------------------------|--------------|------------------------------|-----|------|------|------|
| Reverse Breakdown Voltage                 | $V_{BR}$     | $I_R=1mA(T_a=25^{\circ}C)$   | 200 |      |      | V    |
| Forward Voltage                           | $V_F$        | $I_F=5A(T_a=25^{\circ}C)$    |     | 0.73 | 0.85 | V    |
|                                           |              | $I_F=10A(T_a=25^{\circ}C)$   |     | 0.80 | 0.95 | V    |
|                                           |              | $I_F=15A(T_a=25^{\circ}C)$   |     | 0.92 | 1.15 | V    |
|                                           |              | $I_F=5A(T_a=125^{\circ}C)$   |     | 0.58 |      | V    |
|                                           |              | $I_F=10A(T_a=125^{\circ}C)$  |     | 0.66 |      | V    |
|                                           |              | $I_F=15A(T_a=125^{\circ}C)$  |     | 0.71 | 0.85 | V    |
| Instantaneous Reverse current<br>(Note 1) | $I_R$ Note 1 | $V_R=200V(T_a=25^{\circ}C)$  |     | 4    | 20   | A    |
|                                           |              | $V_R=200V(T_a=125^{\circ}C)$ |     | 5    | 10   | mA   |

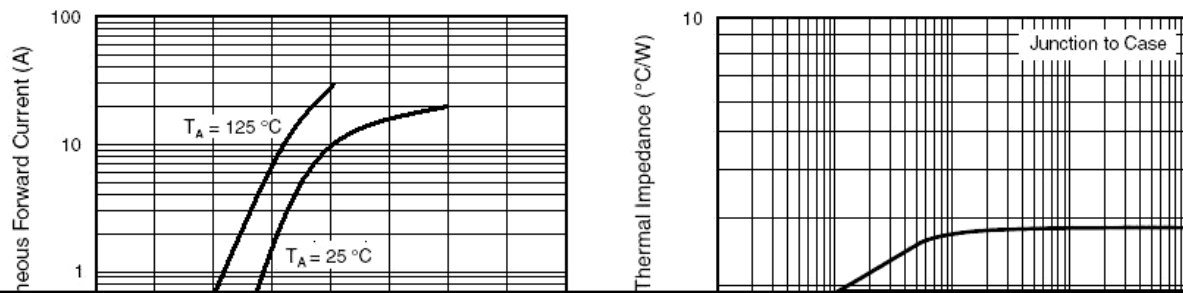
/Notes

 1.  
effect.

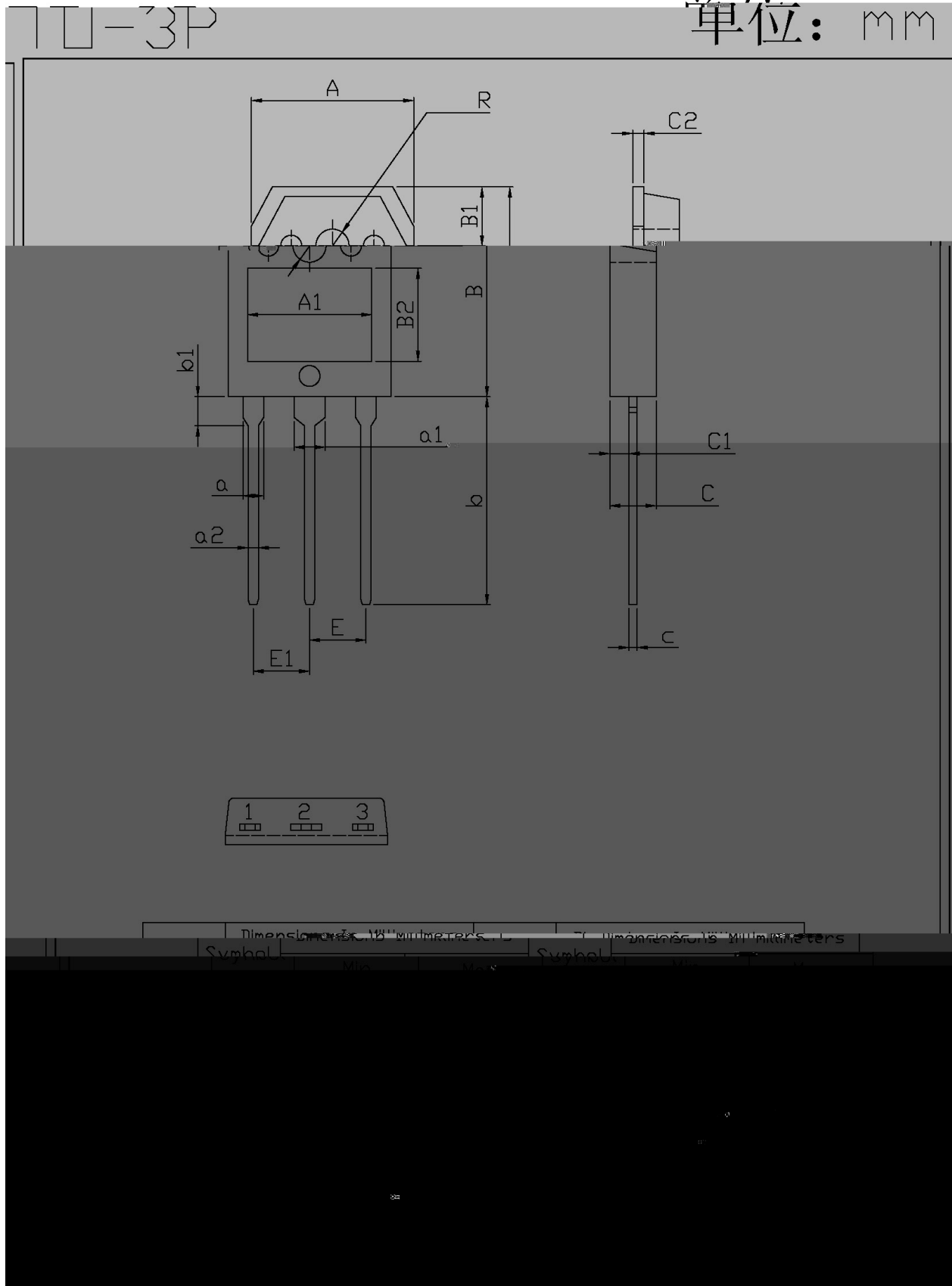
/Short duration pulse test used to minimize self-heating

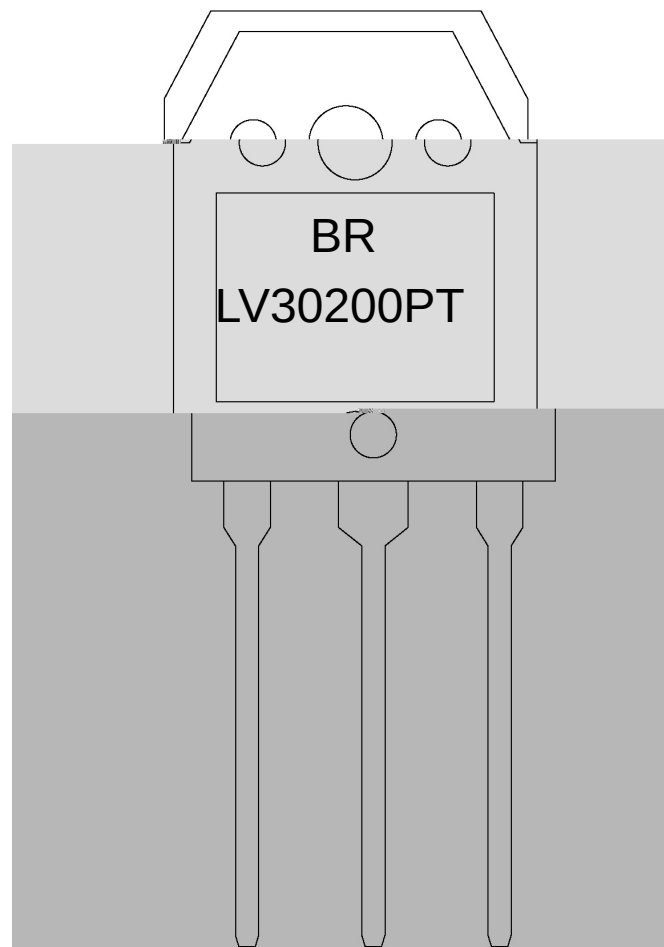
 2.  
single chip.

/ Unless otherwise noted, values for the parameters of a



單位: mm





BR

LV30200PT

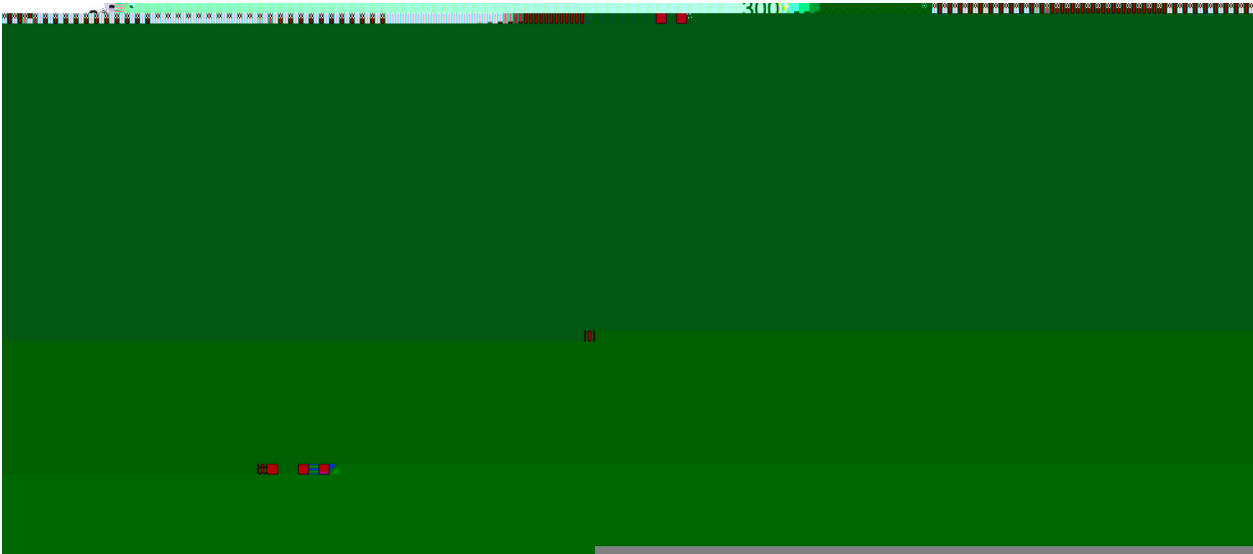
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Note:

BR: Company Code.

LV30200PT: Product Type.

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



- 1

25 150

60 90sec;

2

255±5

5±0.5sec;

3

2 10

/sec.
- Note:

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

/ 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   |
|                      |            |      |     |     |     |                                         |   | × × |