



## 修订记录 / Revised record

| A | 2022-9-2 |  |  |  |  |
|---|----------|--|--|--|--|
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**描述 / Descriptions**

TO-220            N        MOS

N-CHANNEL MOSFET in a TO-220 Plastic Package.

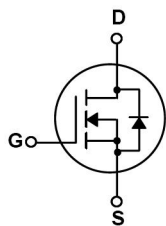
**特征 / Features**

Low On-Resistance, fast switching.

**用途 / Applications**

DC/DC

These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.

**内部等效电路 / Equivalent Circuit****引脚排列 / Pinning**

PIN1    G

PIN 2    D

PIN 3    S

**印章代码 / Marking**

See Marking Instructions.

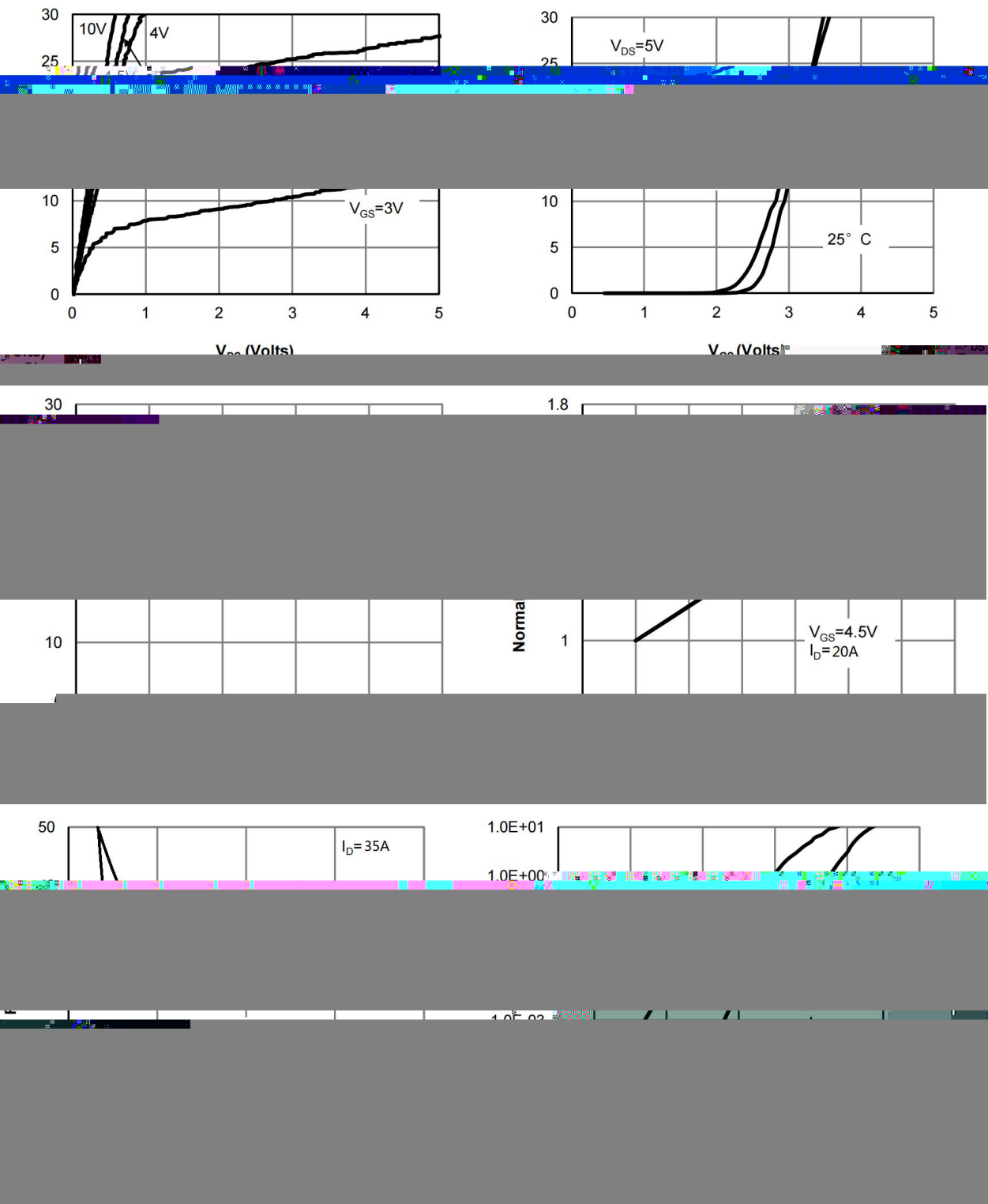


2 Rating

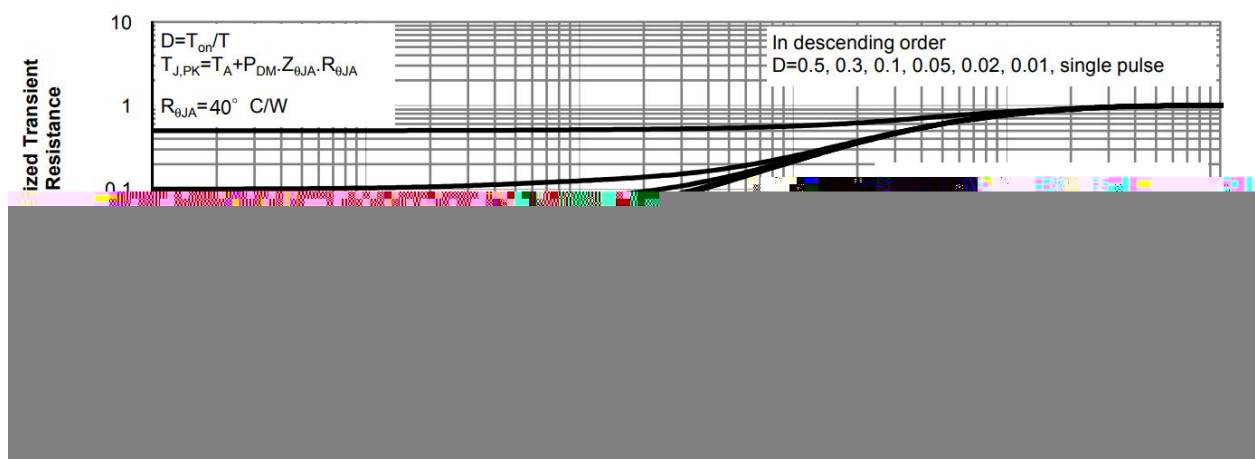
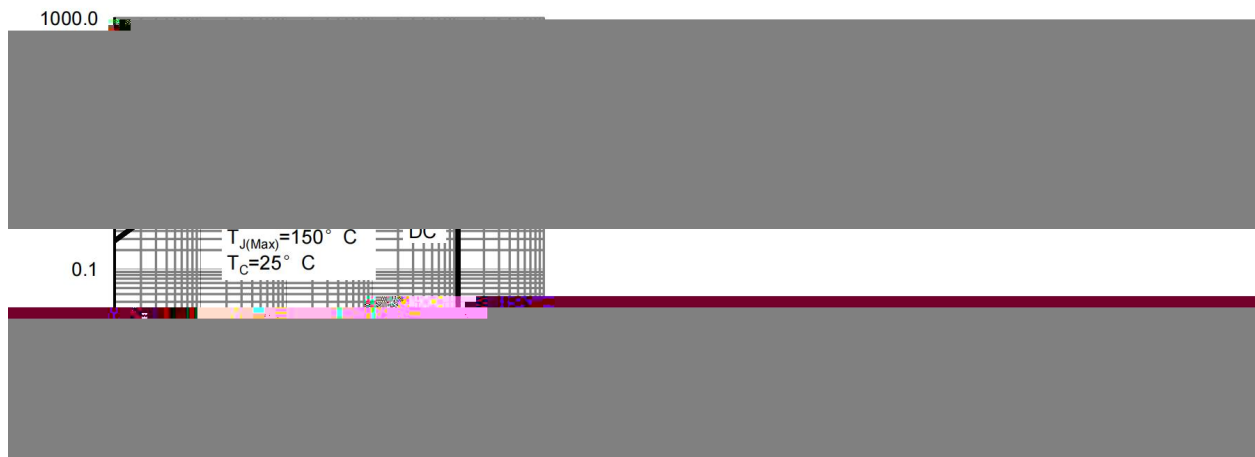
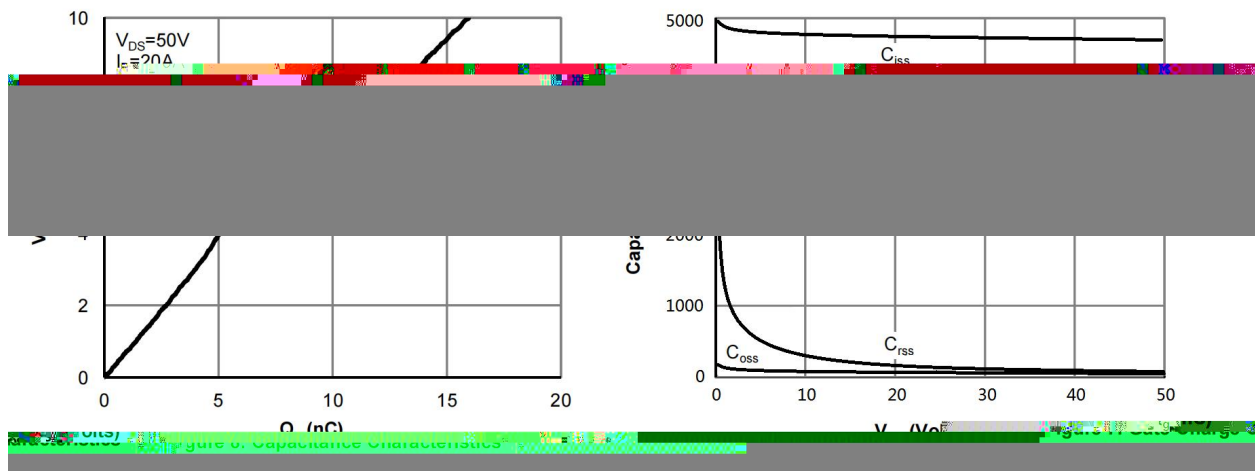
| Parameter            | Symbol   | Rating | Unit |
|----------------------|----------|--------|------|
| Drain-Source Voltage | $V_{DS}$ | 30     | V    |



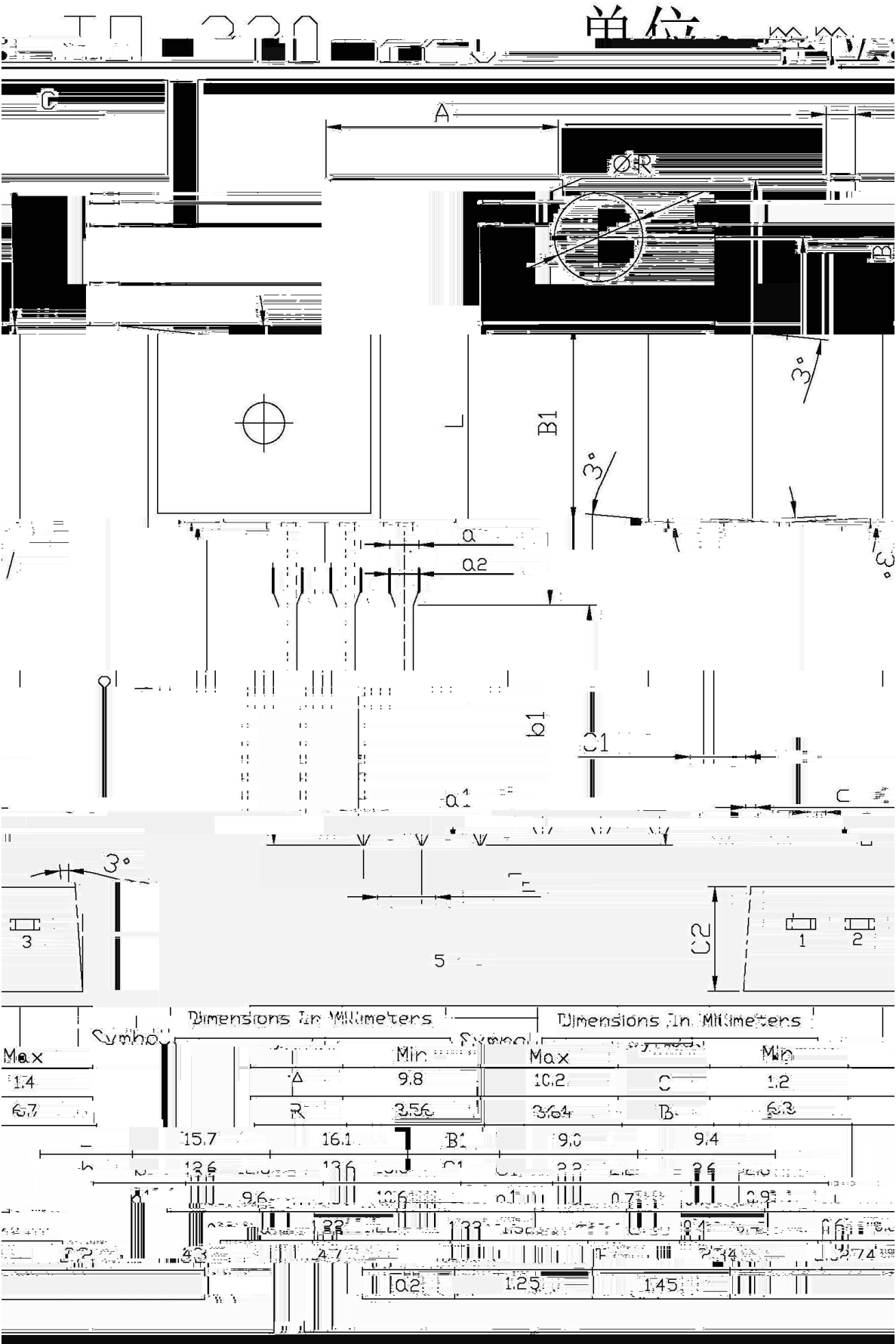
电参数曲线图 / Electrical Characteristic Curve



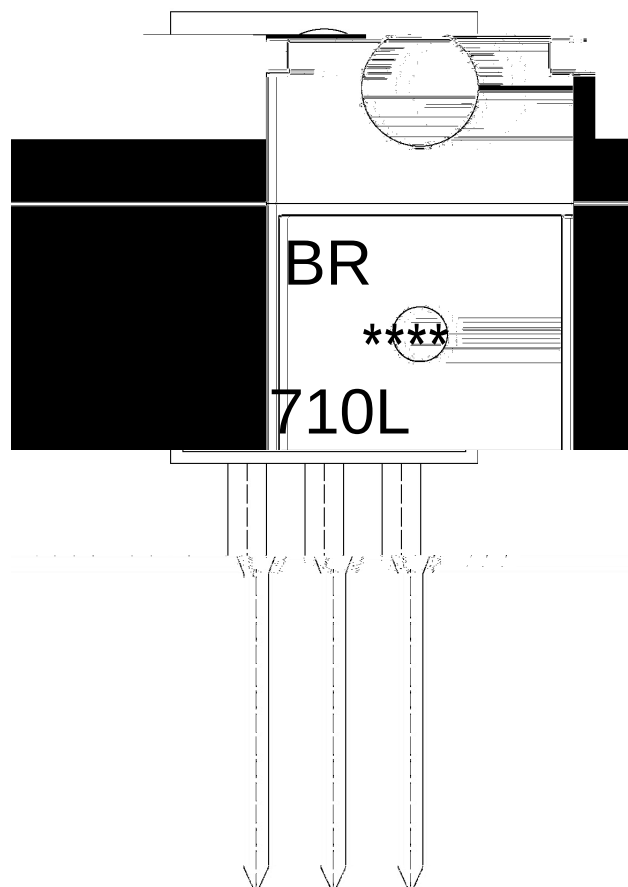
## 电参数曲线图 / Electrical Characteristic Curve



外形尺寸图 / Package Dimensions



## 印章说明 / Marking Instructions



BR

3710L

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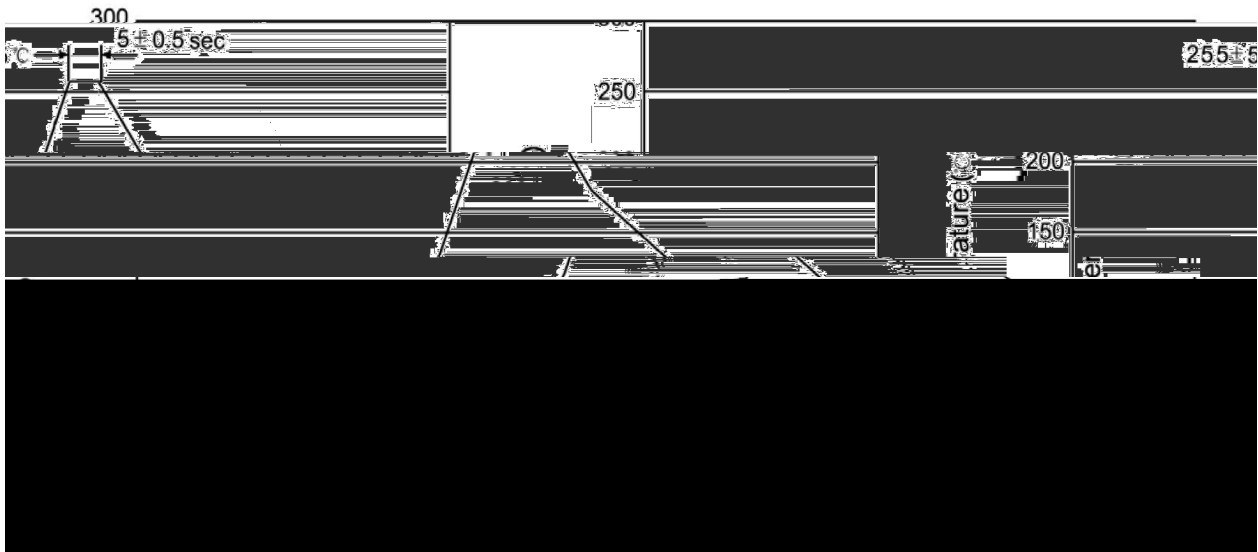
Note:

BR: Company Code

3710L: Product Type.

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

## 波峰焊温度曲线图(无铅) / Temperature Profile for Dip Soldering(Pb-Free)



Note:

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

## 耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

|         |           |               |               |
|---------|-----------|---------------|---------------|
| 270±5°C | 10±1 sec. | Temp.:270±5°C | Time:10±1 sec |
|---------|-----------|---------------|---------------|

## 包装规格 / Packaging SPEC.

/ BULK

| Package Type<br>封装形式 | Units 包装数量     |                     |                      |                            |                      | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |             |             |
|----------------------|----------------|---------------------|----------------------|----------------------------|----------------------|-----------------------------------------|-------------|-------------|
|                      | Units/Bag<br>/ | Bags/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | Bag 袋                                   | Inner Box 盒 | Outer Box 箱 |
| TO-220/F             | 200            | 10                  | 2,000                | 5                          | 10,000               | 135×190                                 | 237×172×102 | 560×245×195 |

/ TUBE

| Package Type<br>封装形式 | Units 包装数量      |                      |                      |                            |                      | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |             |             |
|----------------------|-----------------|----------------------|----------------------|----------------------------|----------------------|-----------------------------------------|-------------|-------------|
|                      | Units/Tube<br>/ | Tubes/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | Tube 套管                                 | Inner Box 盒 | Outer Box 箱 |
| TO-220/F             | 50              | 20                   | 1,000                | 5                          | 5,000                | 532×31.4×5.5                            | 555×164×50  | 575×290×180 |

## 使用说明 / Notices