

**/ Descriptions**

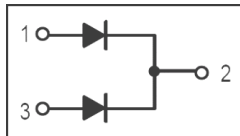
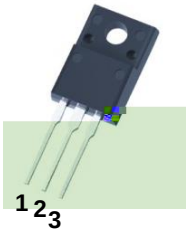
Schottky Barrier Diode in a TO-220F Plastic Package.

**/ Features**

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

**/ Applications**

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

**/ Equivalent Circuit****/ Pinning**

PIN1 Anode      PIN 2 Cathode      PIN 3 Anode

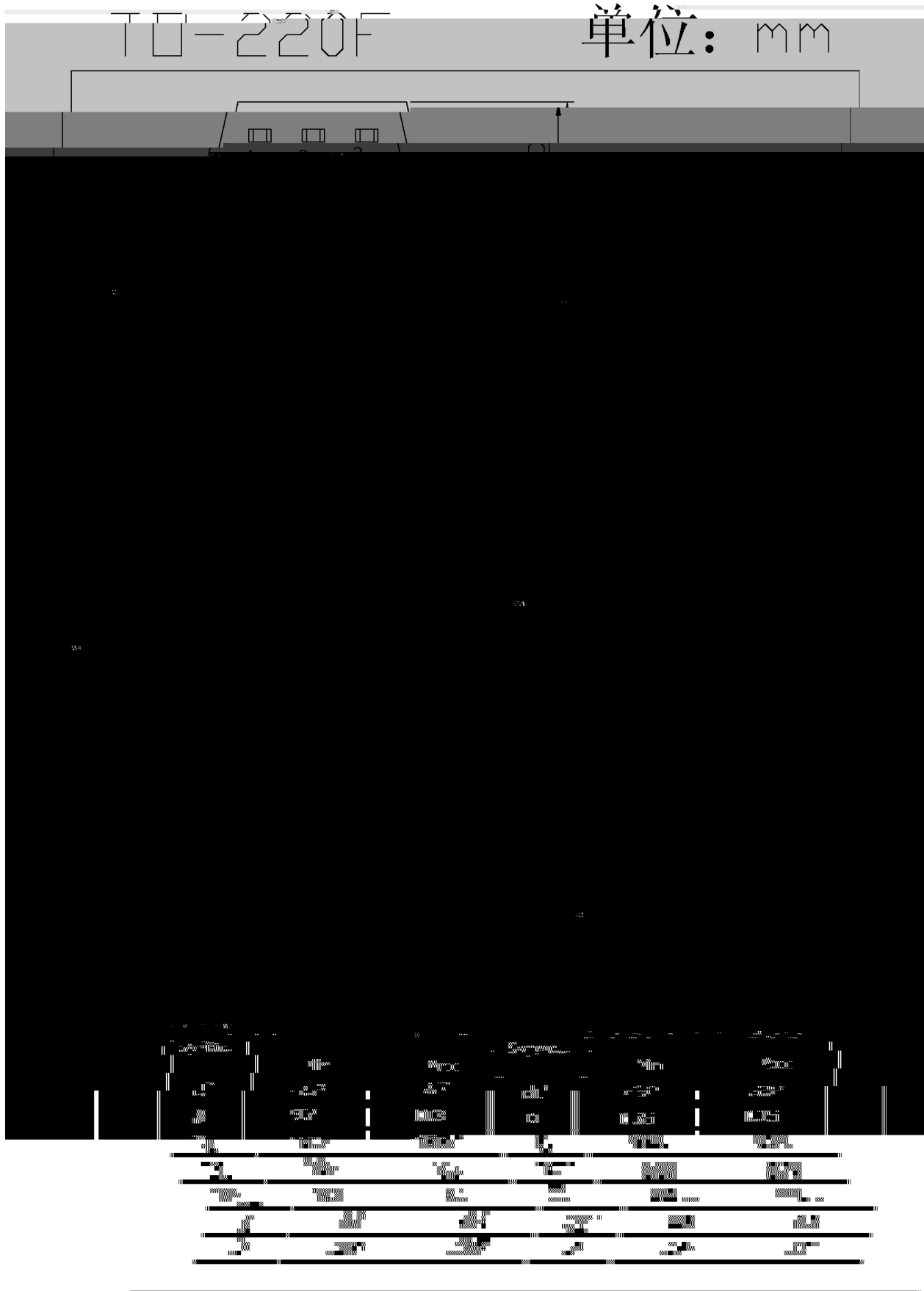
**/  $h_{FE}$  Classifications & Marking**

See Marking Instructions.

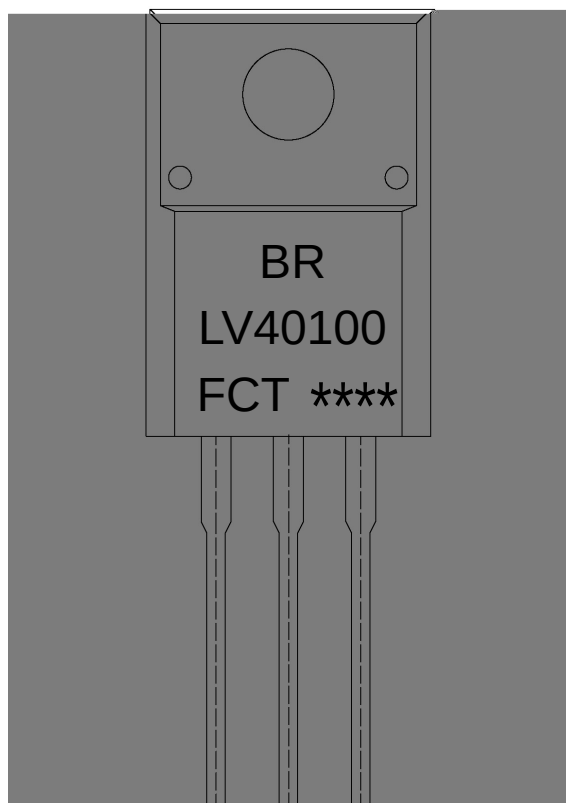


**LV40100FCT**

/ Package Dimensions



## / Marking Instructions



BR

LV40100

F:

CT

Note:

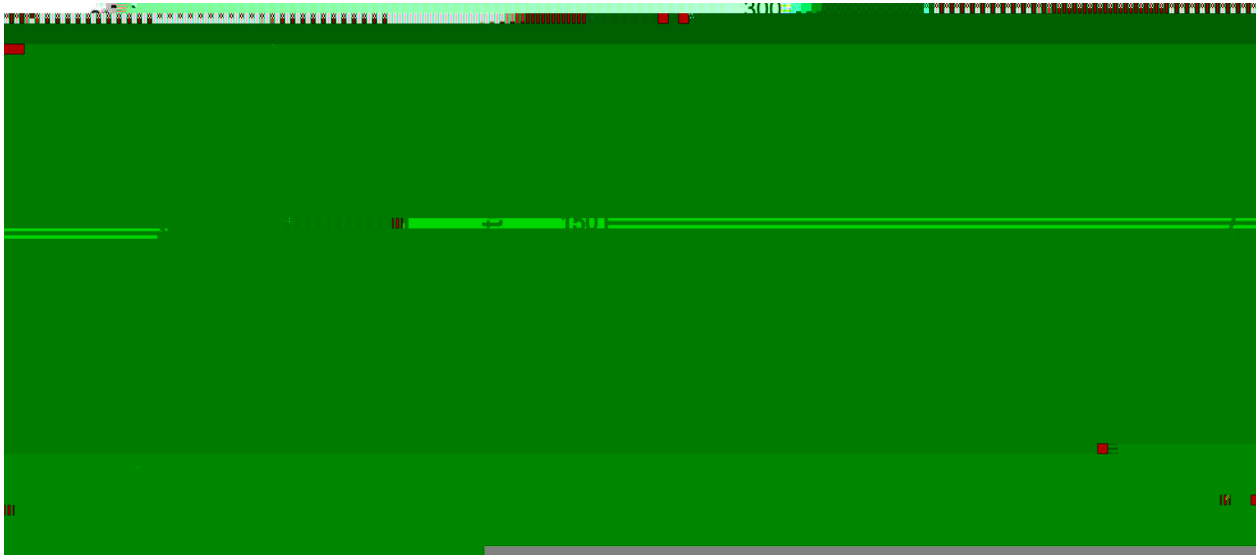
BR: Company Code

LV40100: Product Type Code.

F Package Code

CT: Internal Structure

\*\*\*\*: 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  | 0.5sec; | 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> ) |             |             |
|--------------|----------------|---------------------|----------------------|----------------------------|----------------------|-----------------------------------|-------------|-------------|
|              | Units/Bag<br>/ | Bags/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | Bag                               | Inner Box   | Outer Box   |
| 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> ) |           |           |
|--------------|-----------------|----------------------|----------------------|----------------------------|----------------------|-----------------------------------|-----------|-----------|
|              | Units/Tube<br>/ | Tubes/Inner Box<br>/ | Units/Inner Box<br>/ | Inner Boxes/Outer Box<br>/ | Units/Outer Box<br>/ | Tube                              | Inner Box | Outer Box |

TO-220/F