

/ Descriptions

Schottky Barrier Diode in a TO-220 Plastic Package.

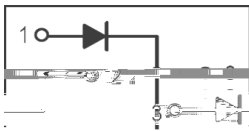
/ Features

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

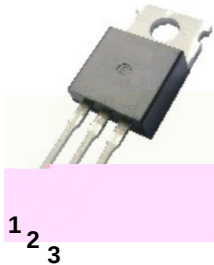
/ Applications

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

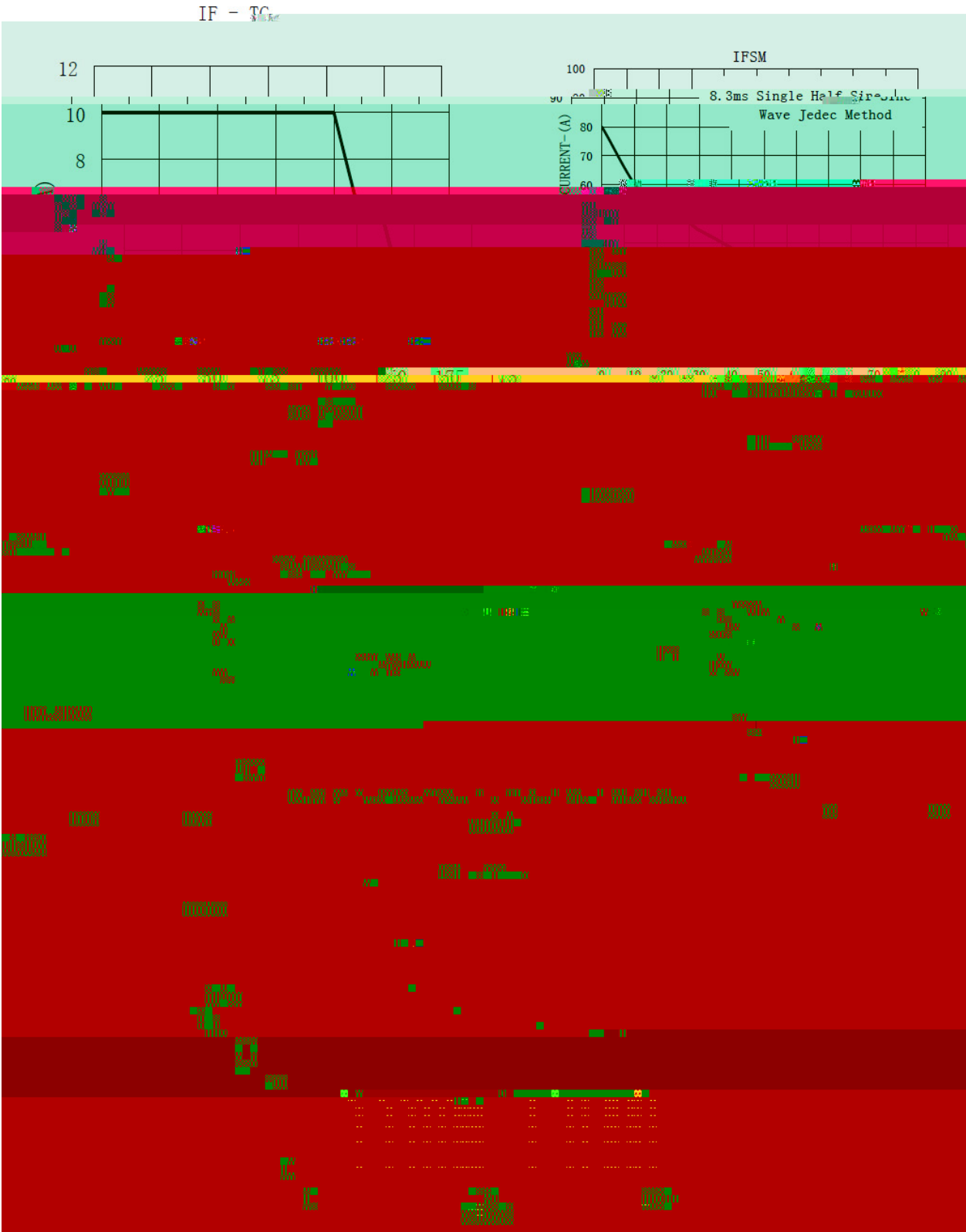


PIN1 Anode PIN 2 Cathode PIN 3 Anode

/ h_{FE} Classifications & Marking

See Marking Instructions.

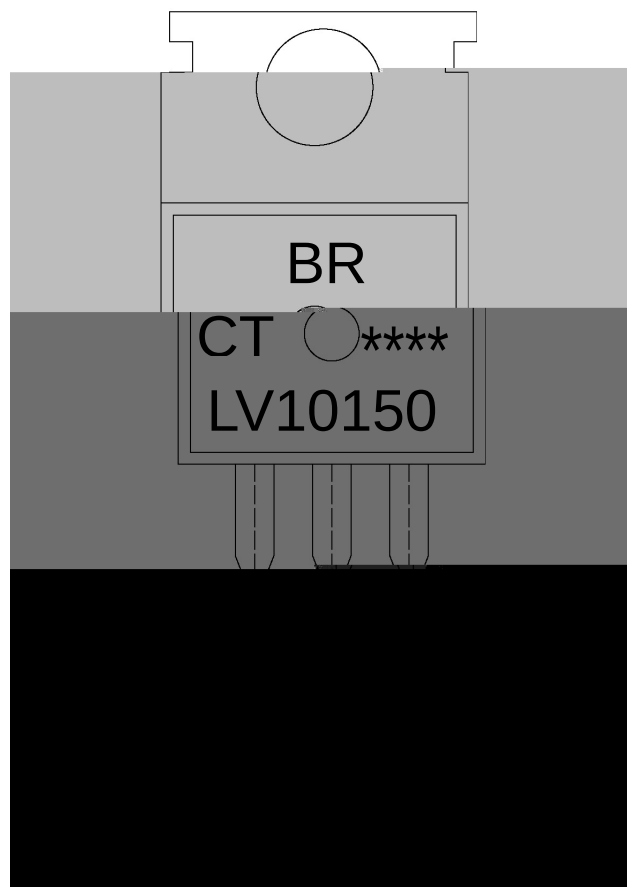
/ Electrical Characteristic Curve



Architectural drawing showing a cross-section of a building. The drawing includes structural elements like walls, floors, and a roof. Key features and annotations include:

- Dimensions:** A horizontal dimension line labeled 'C' is shown at the top. A vertical dimension line labeled 'B' is on the left. A horizontal dimension line labeled 'A' is on the right.
- Annotations:** The text '单位' (Unit) is written at the top right. The text '3°' is written near the bottom left. The text '5.' is written near the bottom center.
- Structural Details:** A circular element is shown on the right side, possibly representing a window or a structural feature. A rectangular element is shown on the left side, possibly representing a door or a wall section.

/ Marking Instructions



Note:

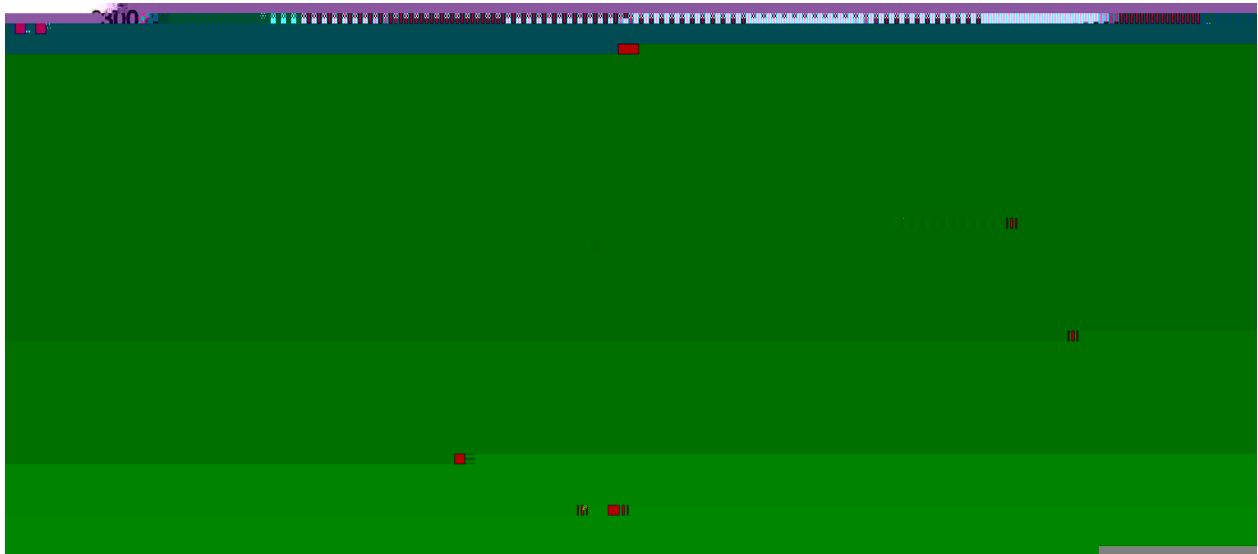
BR: Company Code

LV10150 Product Type.

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 ³)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195