

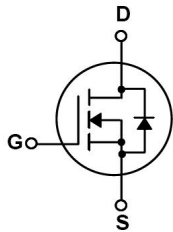
## / Descriptions

## / Features

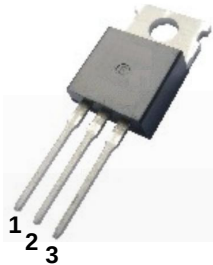
gy2g<sup>w</sup>

## / Applications

## / Equivalent Circuit



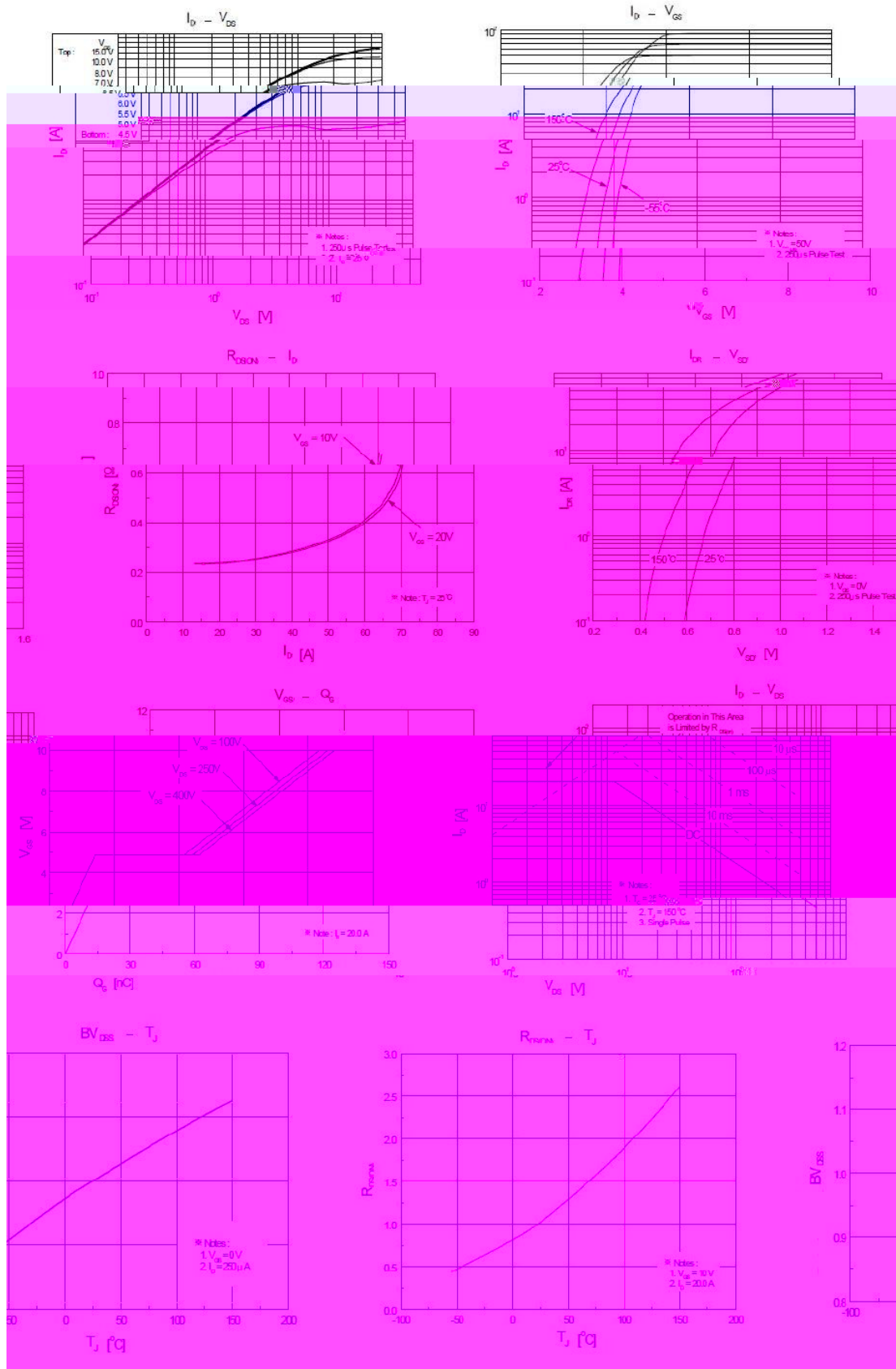
## / Pinning



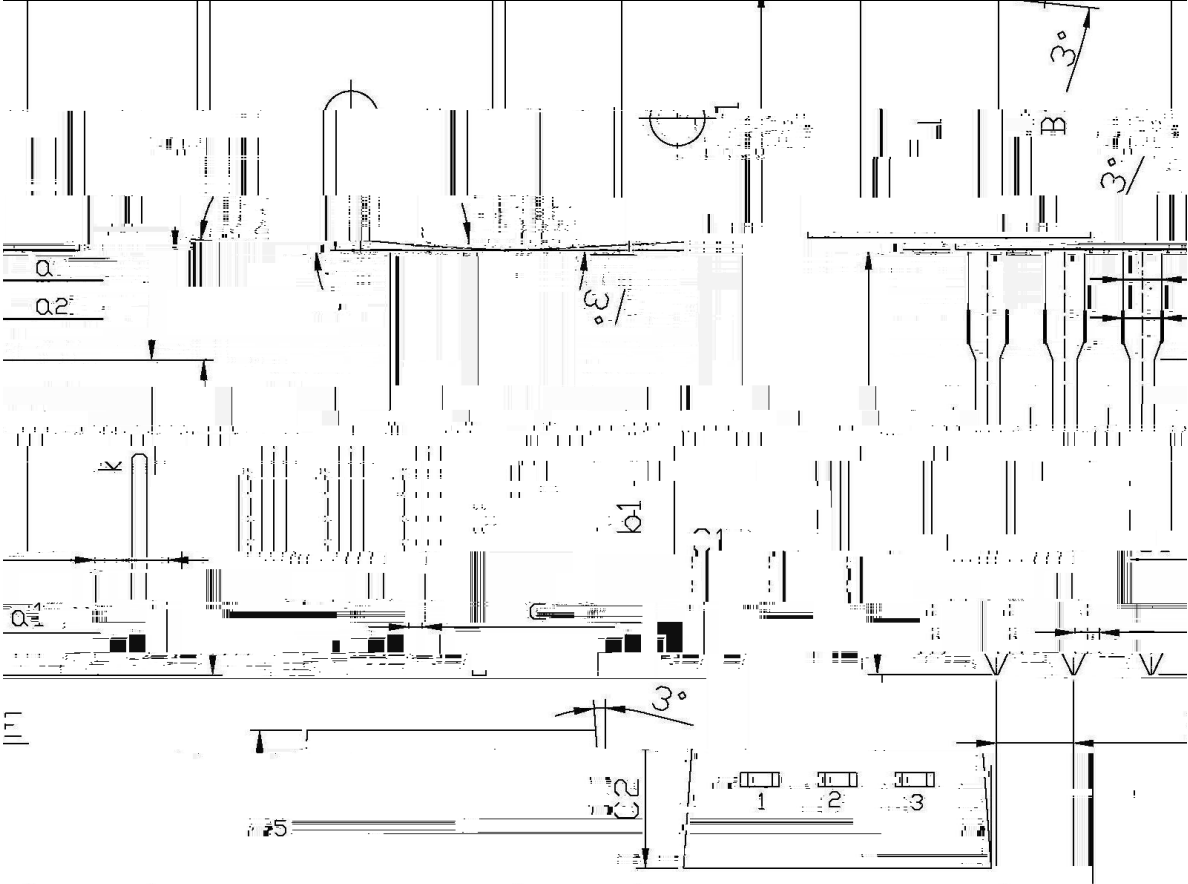
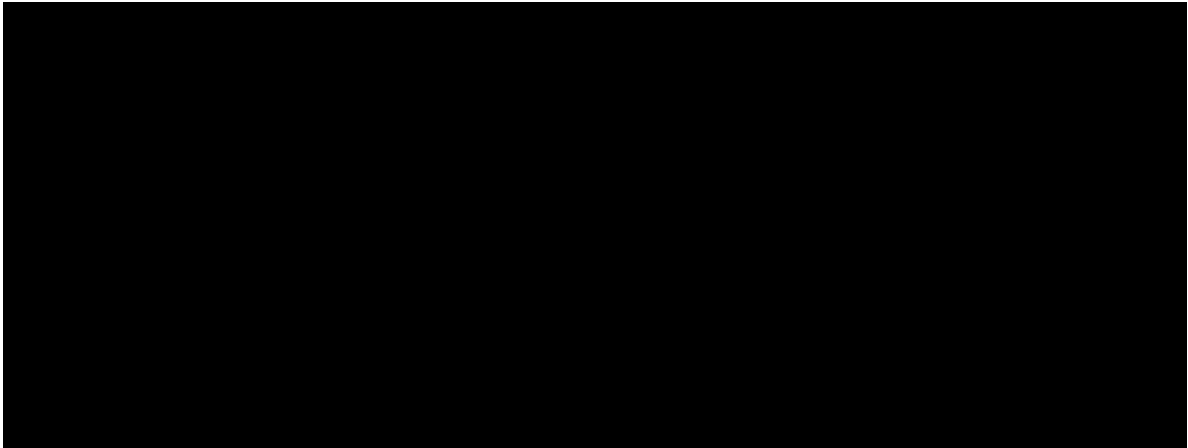
## / $h_{FE}$ Classifications & Marking

**BR20N50**

## / Electrical Characteristic Curve

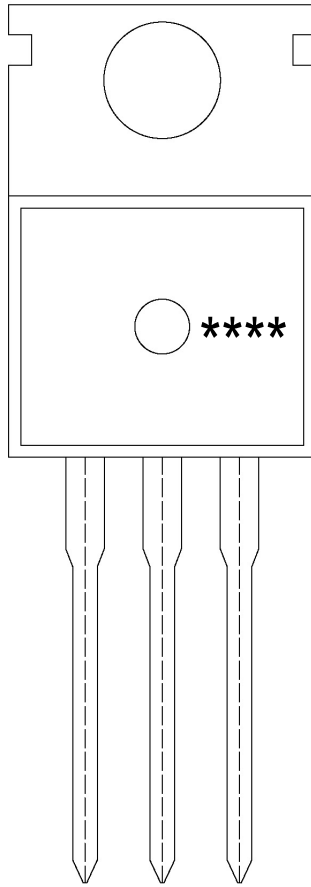


/ Package Dimensions



| Dimensions in Millimeters |      |      |        | Dimensions in Millimeters |     |   |     |
|---------------------------|------|------|--------|---------------------------|-----|---|-----|
| Symbol                    | Min  | Max  | Symbol | Min                       | Max |   |     |
| Δ                         | 9.8  | 10.2 | IC     | 1.2                       | 1.4 |   |     |
| h                         | 2.56 | 3.36 | P      | 6.3                       | 6.7 | B | 3.7 |
| L                         | 15.7 | 16.1 | B1     | 9.0                       | 9.4 |   |     |
| b                         | 12.6 | 13.6 | C1     | 2.2                       | 2.6 |   |     |
| b1                        | 9.6  | 10.6 | a1     | 0.7                       | 0.9 |   |     |
| 0.4                       | 0.0  | 0.1  | 0.1    | 0.0                       | 0.1 |   |     |
| 1.0                       | 0.5  | 1.7  | 0.7    | 0.3                       | 1.0 |   |     |
| 0.2                       | 1.25 | 1.45 |        |                           |     |   |     |

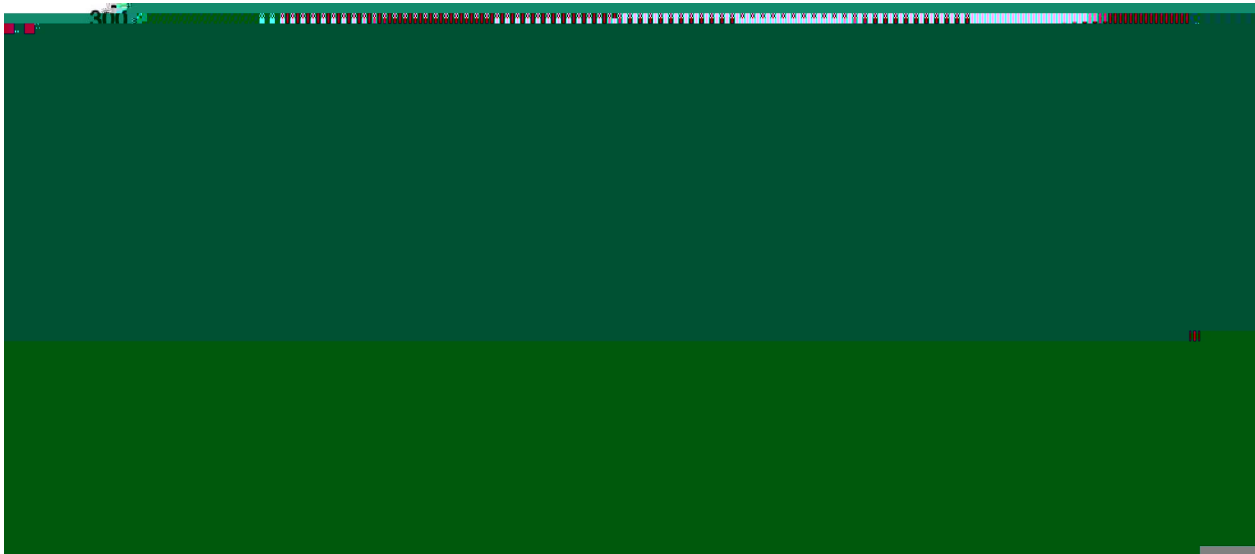
## / Marking Instructions



53Q83

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(     ) / Temperature Profile for Dip Soldering(Pb-Free)



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2  $\frac{3}{8}$

2

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2  $\frac{3}{8}$

2

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/ Resistance to Soldering Heat Test Conditions

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2

/ Packaging SPEC.

| 封装形式     | 包装数量             |                       |                        |                              |                        | 包装尺寸    |             |             |
|----------|------------------|-----------------------|------------------------|------------------------------|------------------------|---------|-------------|-------------|
|          | Units/Bag<br>只/袋 | Bags/Inner Box<br>袋/盒 | Units/Inner Box<br>只/盒 | Inner Boxes/Outer Box<br>盒/箱 | Units/Outer Box<br>只/箱 | 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 |

| 封装形式     | 包装数量               |                         |                        |                              |                        | 包装尺寸         |             |             |
|----------|--------------------|-------------------------|------------------------|------------------------------|------------------------|--------------|-------------|-------------|
|          | Units/Tube<br>只/套管 | Tubes/Inner Box<br>套管/盒 | Units/Inner Box<br>只/盒 | Inner Boxes/Outer Box<br>盒/箱 | Units/Outer Box<br>只/箱 | 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 |

/ Notices