

### / Descriptions

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

### / Features

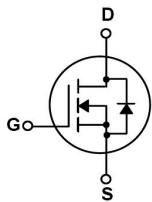
DS      dv/dt  
Low  $R_{DS(ON)}$ , Low gate charge, Low Crss , Fast switching, Improved dv/dt capability.

### / Applications

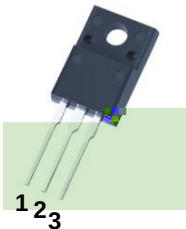
DC/DC

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

### / Equivalent Circuit



### / Pinning



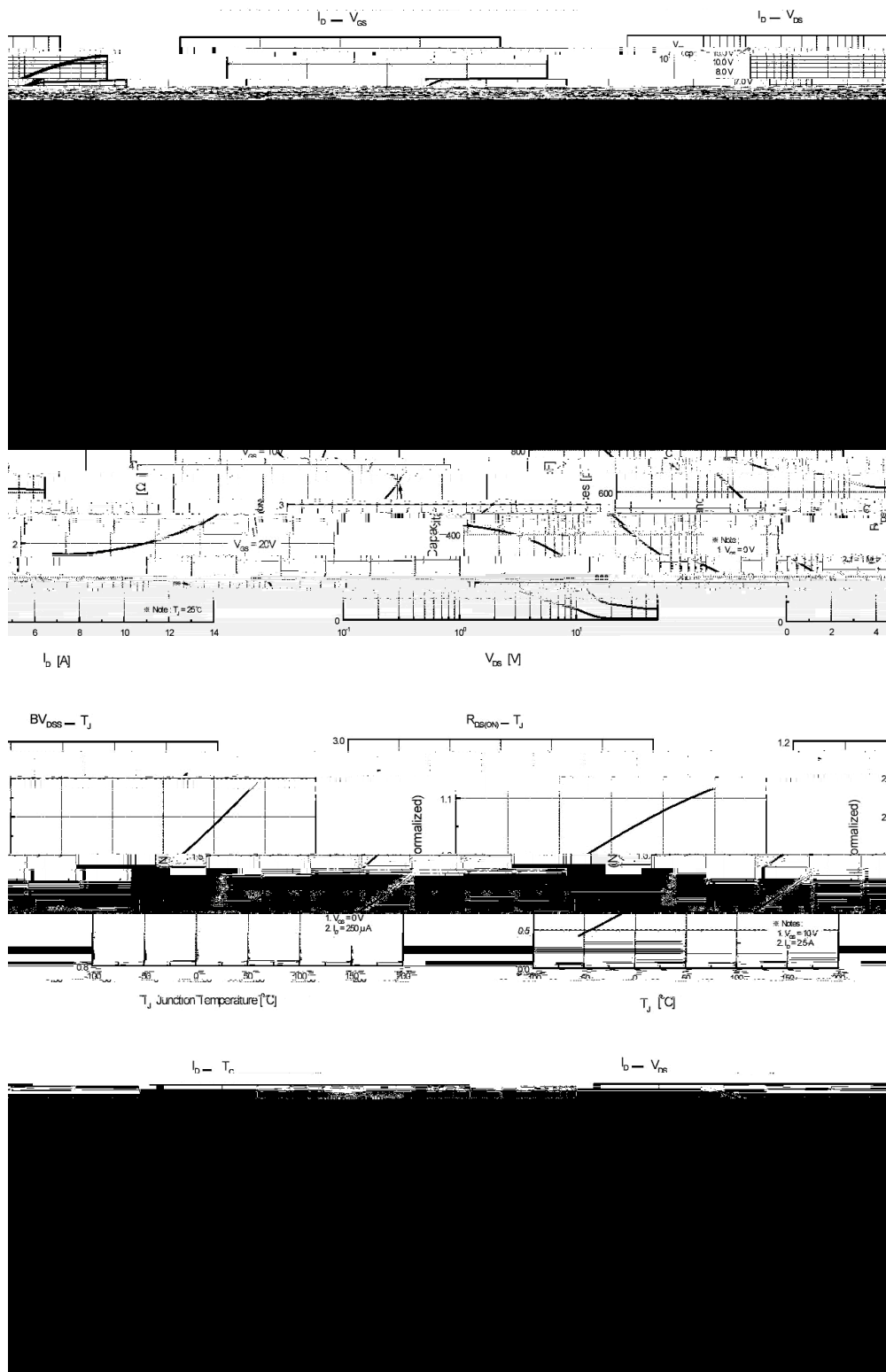
PIN1   G      PIN 2   D      PIN 3   S

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

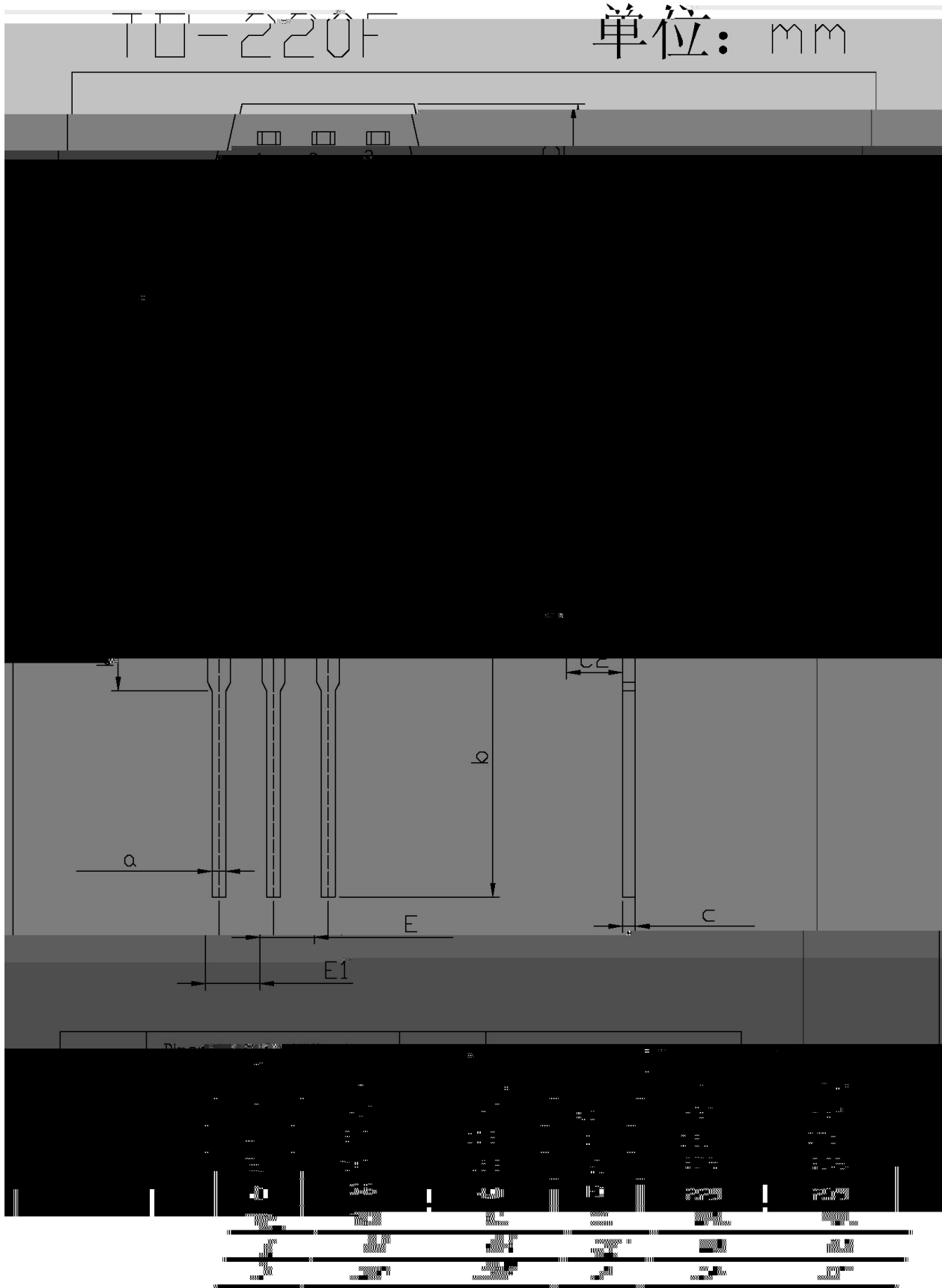
See Marking Instructions.

| Parameter            | Symbol    | Rating | Unit |
|----------------------|-----------|--------|------|
| Drain-Source Voltage | $V_{DSS}$ | 600    | V    |

### / Electrical Characteristic Curve

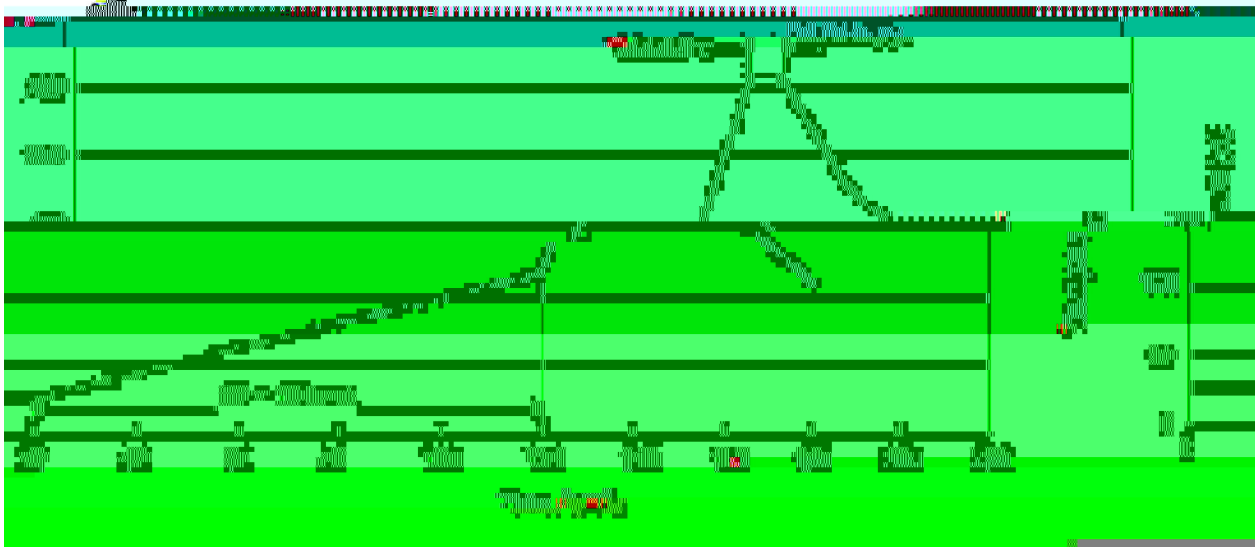


/ Package Dimensions





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



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.
- 1.Preheating:25~150

, Time:60~90sec.
- 2.Peak Temp.:255±5

, Duration:5±0.5sec.
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 包装数量       |                       | Dimension 包装尺寸 (unit: mm <sup>3</sup> ) |                        |
|--------------|------------------|-----------------------|-----------------------------------------|------------------------|
| 封装形式         | Units/Bag<br>只/袋 | Bags/Inner Box<br>袋/盒 | Units/Inner Box<br>只/盒                  | Units/Inner Box<br>只/盒 |