

# BRFL20N50

Rev.E Nov.-2017

## / Descriptions

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

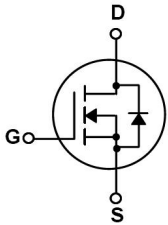
## / Features

Low gate charge    Low Crss    Fast switching.

## / Applications

These devices are well suited for high efficiency switch mode power supplies .

## / Equivalent Circuit



## / Pinning



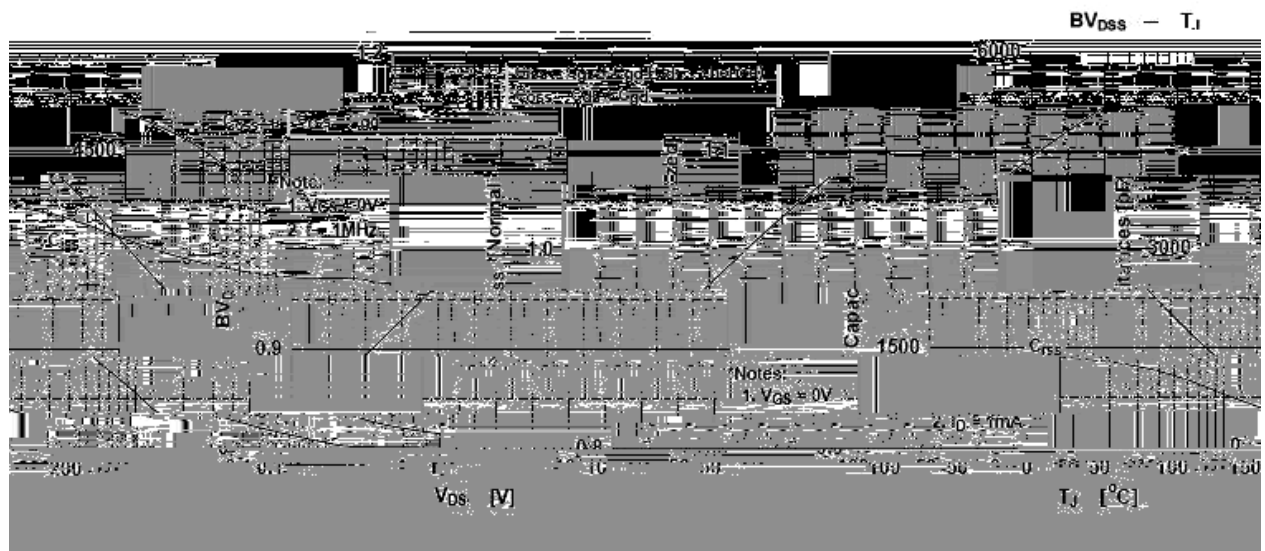
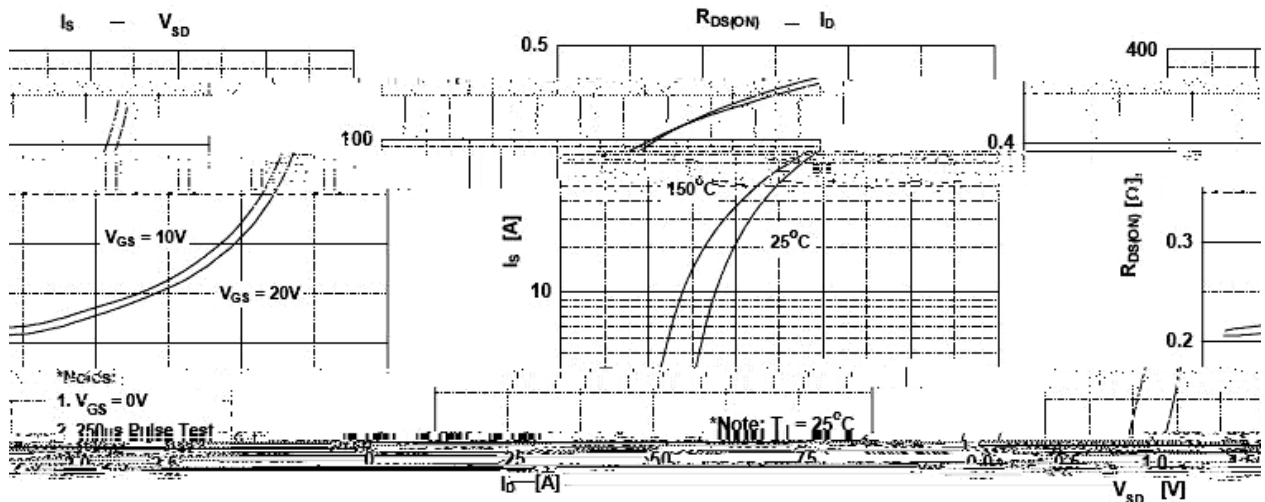
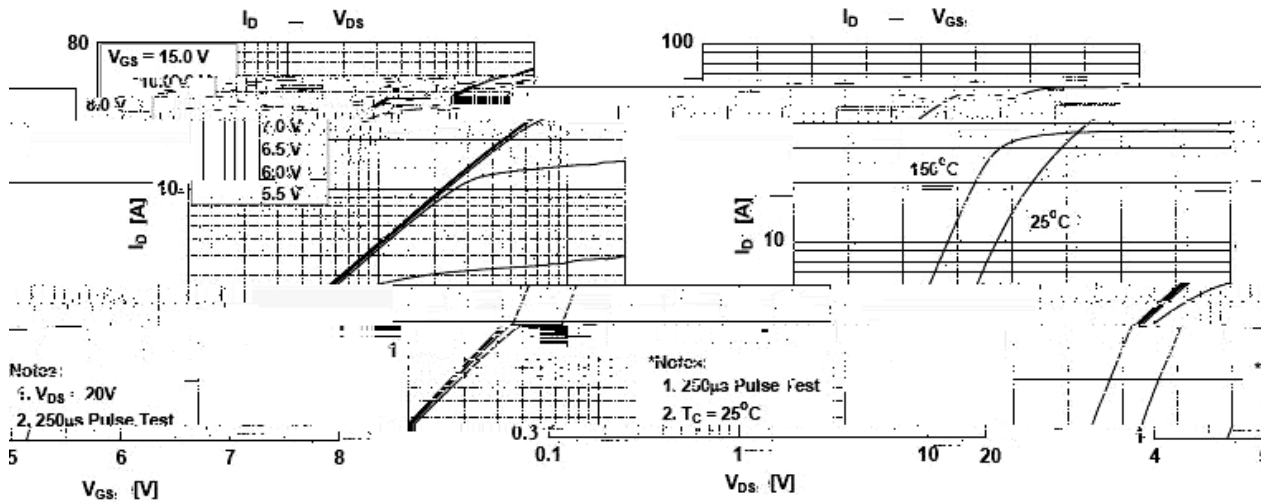
PIN1 G      PIN 2 D      PIN 3 S

## / h<sub>FE</sub> Classifications & Marking

See Marking Instructions.

**BRFL20N50**

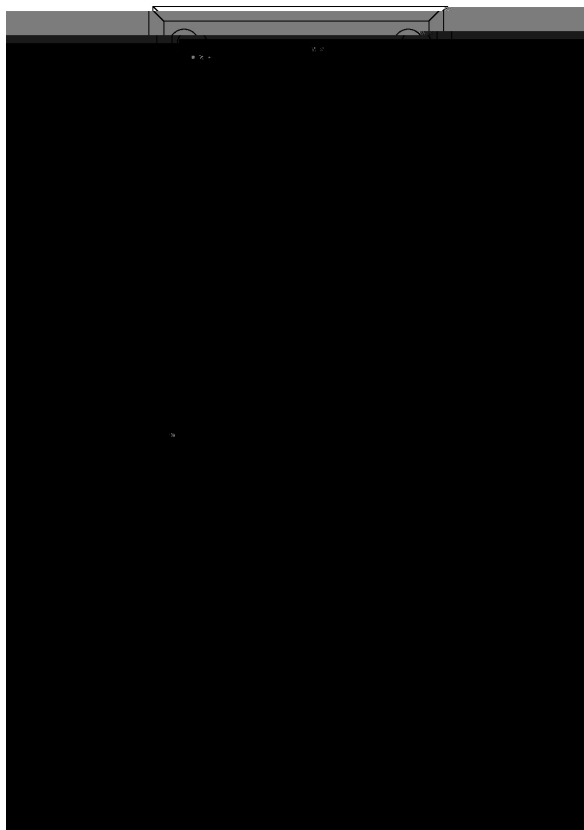
/ Electrical Characteristic Curve



/ Package Dimensions



**/ Marking Instructions**



BR

20N50

!!!!

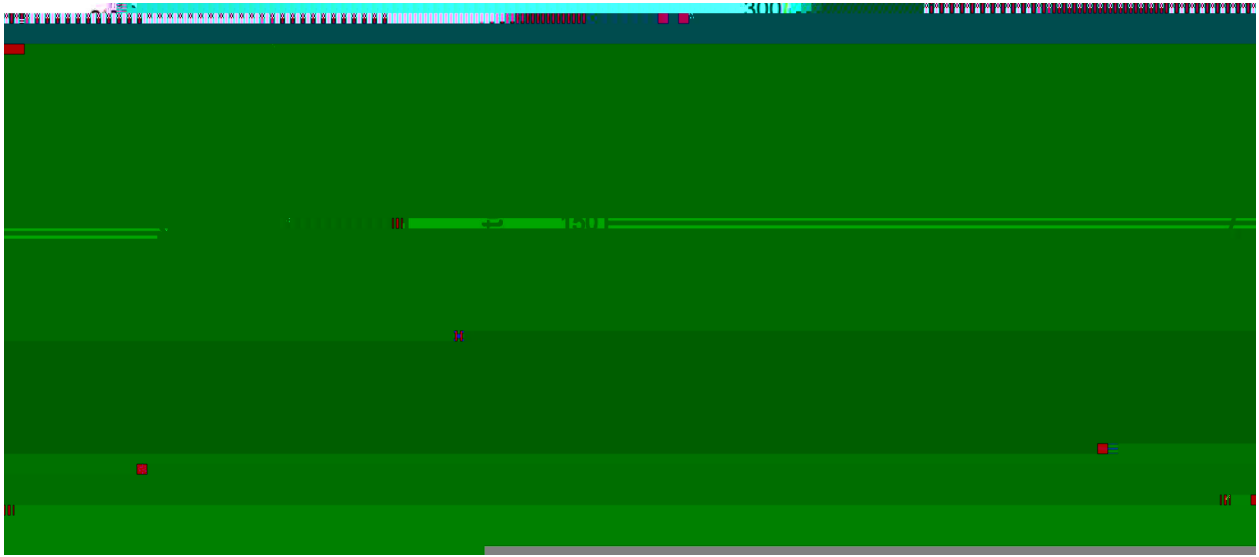
Note:

BR: Company Code

20N50: Product Type.

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

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



- |   |        |     |            |        |       |   |
|---|--------|-----|------------|--------|-------|---|
| 1 | 25     | 150 | 60         | 90sec; | Note: | 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.

/ TUBE

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm <sup>3</sup> )		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-220FL	50	20	1,000	5	5,000	532×33×7.0	555×164×50	575×290×180

/ Notices