

# BRFL20N65

Rev.A May.-2023

## / Descriptions

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

## / Features

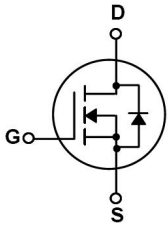
Low gate charge, Low Crss , Fast switching.

## / Applications

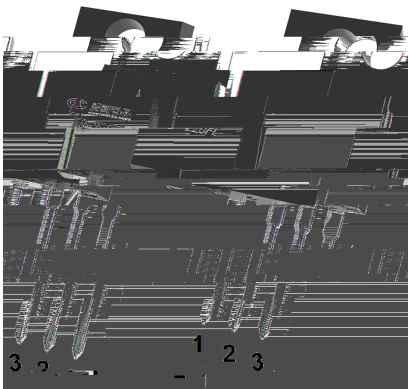
UPS

High efficiency switch mode power supplies, Electronic lamp ballasts based on half bridge, UPS .

## / Equivalent Circuit



## / Pinning



PIN1 G

PIN 2 D

PIN 3 S

## / Marking

See Marking Instructions.

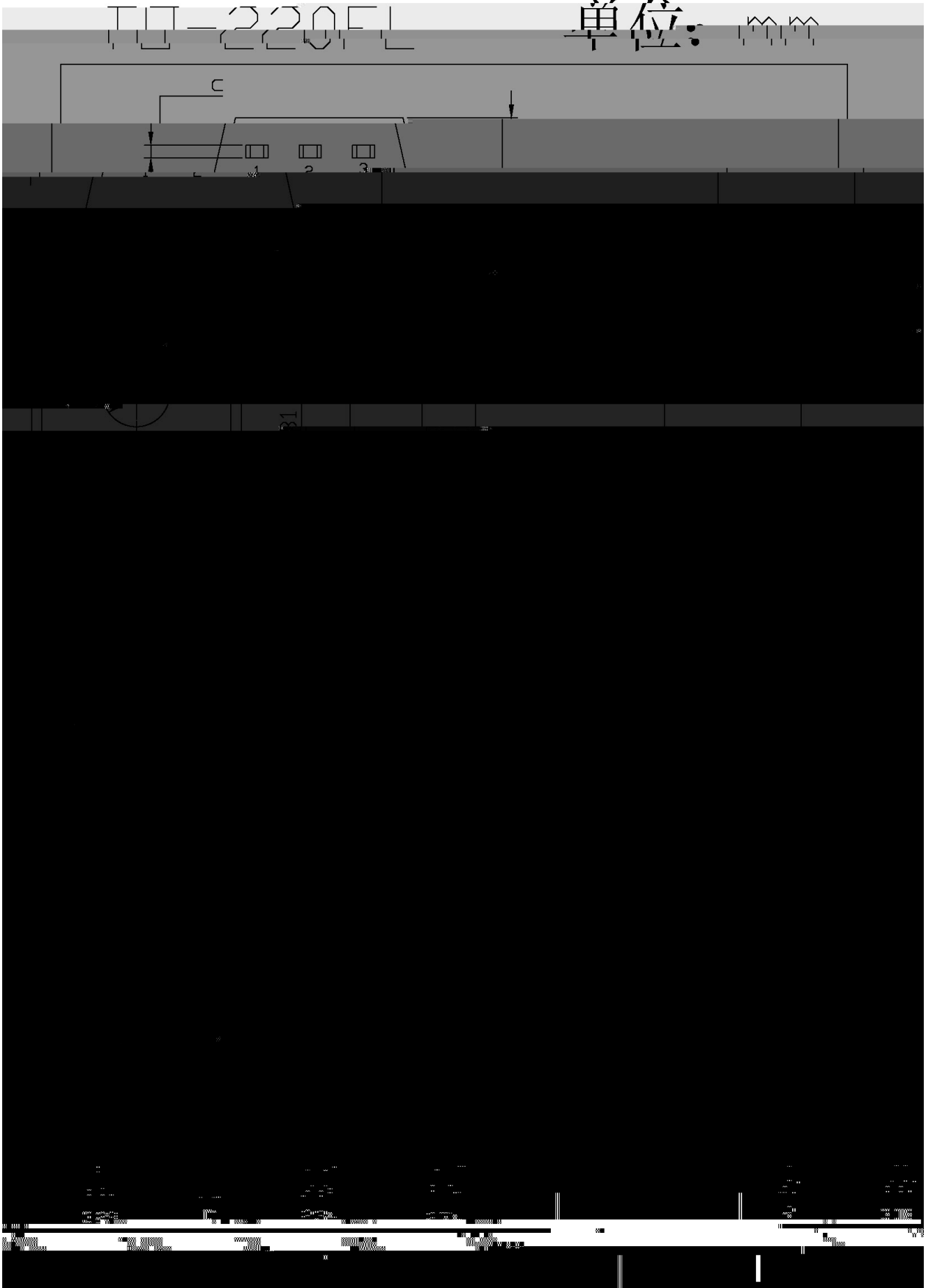
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DSS}$	650	V
Drain Current	$I_D(T_c=25^\circ C)$	20	A
Drain Current - Pulsed	$I_{DM}$	40	A
Gate-Source Voltage	$V_{GSS}$	$\pm 30$	V

0e,799340 Single Pulsed Avalanche Energy 7.0282-73(R/TTEAS 1 4810(E)TJ7.0327TTTc0 0

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
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/ Package Dimensions



**BRFL20N65**

**( ) / 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