

描述 / Descriptions

TO-220FL N

N-CHANNEL 650V Super-Junction Power MOSFET in a TO-220FL Plastic Package.

特点 / Features

 $R_{DS(on)} \times Q_g$ 100%

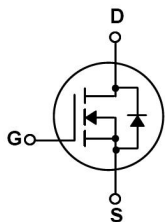
ROHS

Very low $R_{DS(on)} \times Q_g$, 100% avalanche tested, RoHS compliant, HF Product.

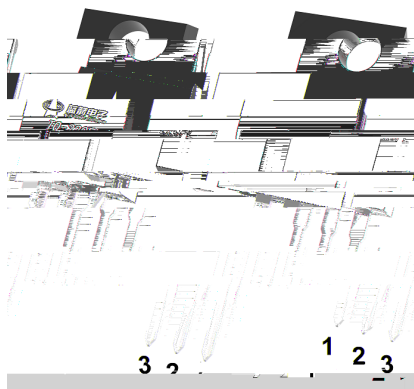
应用 / Applications

For switch mode power supply, uninterruptible power supply, power factor correction.

等效电路 / Equivalent Circuit



引脚 / Pinning



PIN1 G

PIN 2 D

PIN 3 S

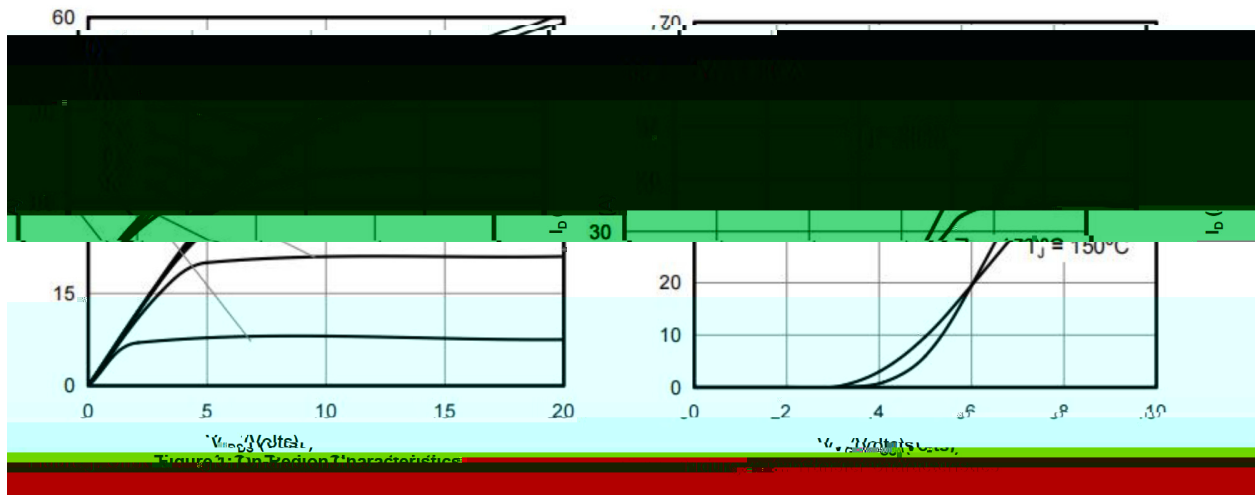
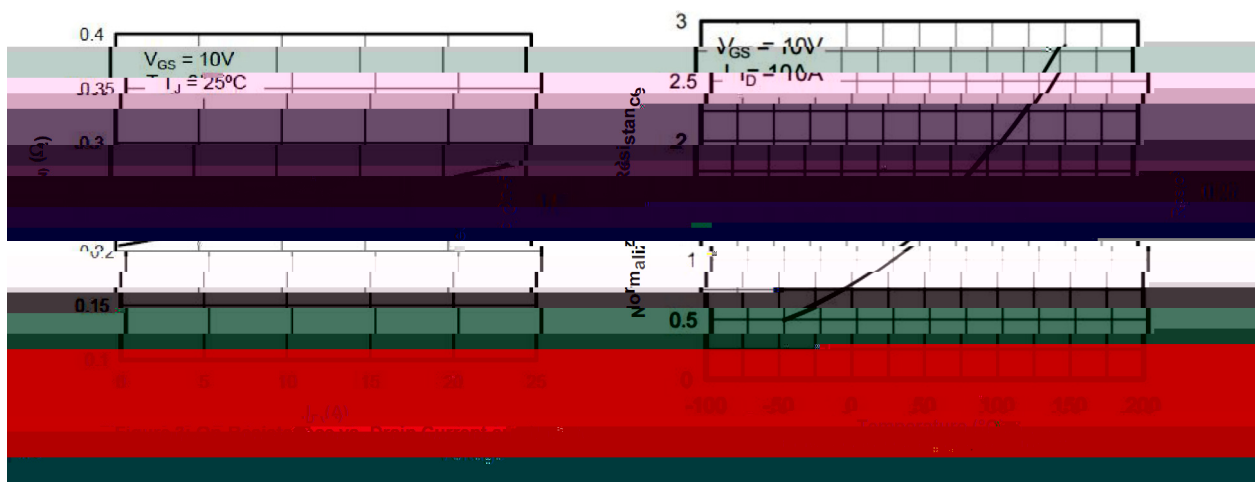
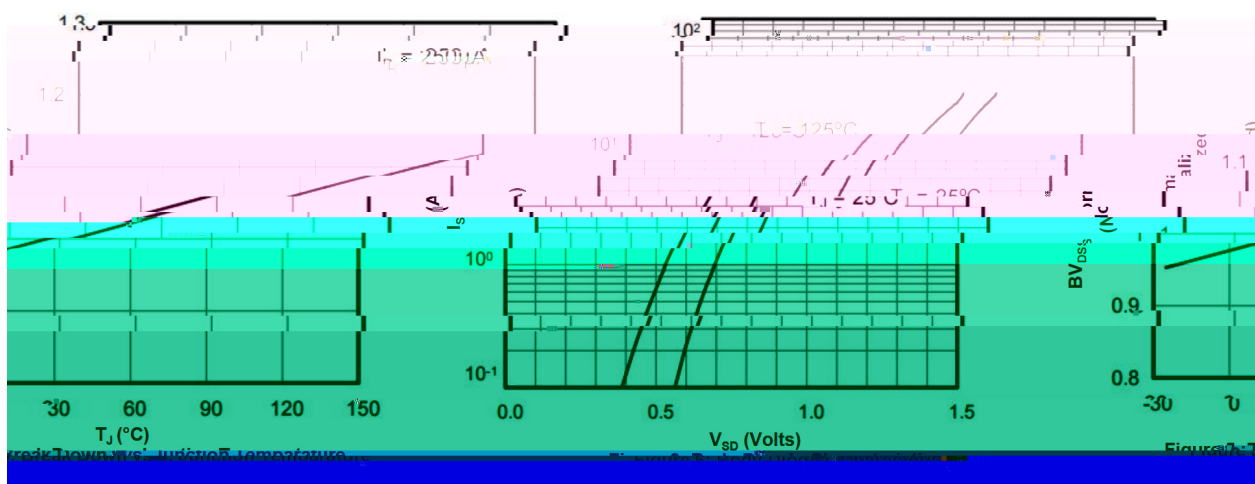
标识 / Marking

See Marking Instructions.

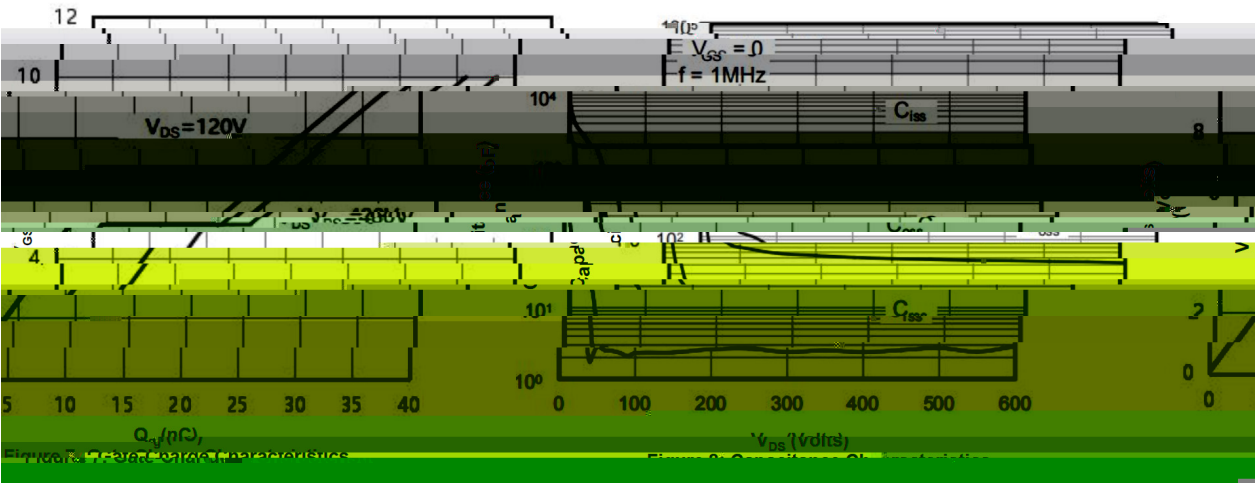
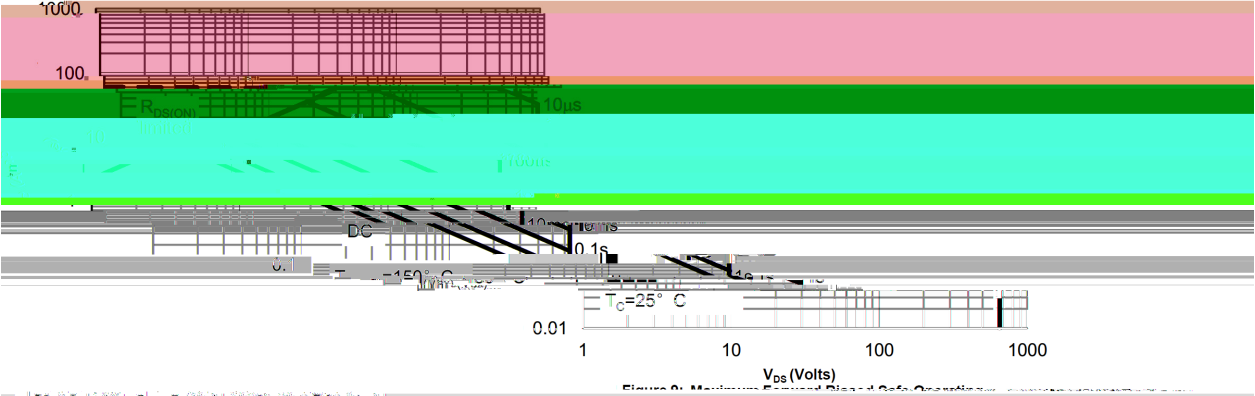
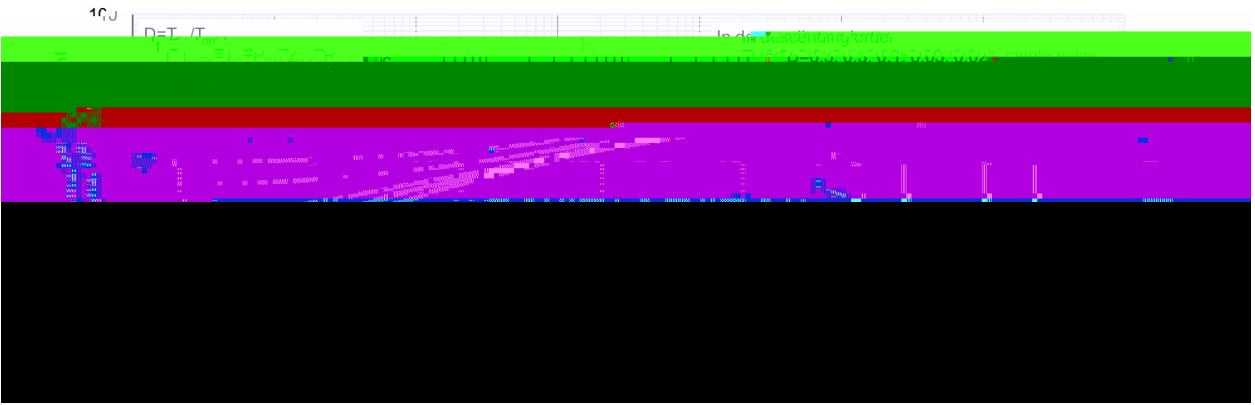
1.3 Electrical Characteristics(Ta=25 ℃)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Continuous Diode Forward Current	I _S			20		A
Total Gate Charge	Q _g	V _{DS} =480V I _D =10A V _{GS} =10V		38.2		nC
Gate-Source Charge	Q _{gs}			10		nC
Gate-Drain Charge	Q _{gd}			13		nC
Reverse recovery time	t _{rr}	V _R =400 V, I _F =10A, dI _F /dt=100 A/μs		340		ns
Reverse recovery charge	Q _{rr}			6.7		uC

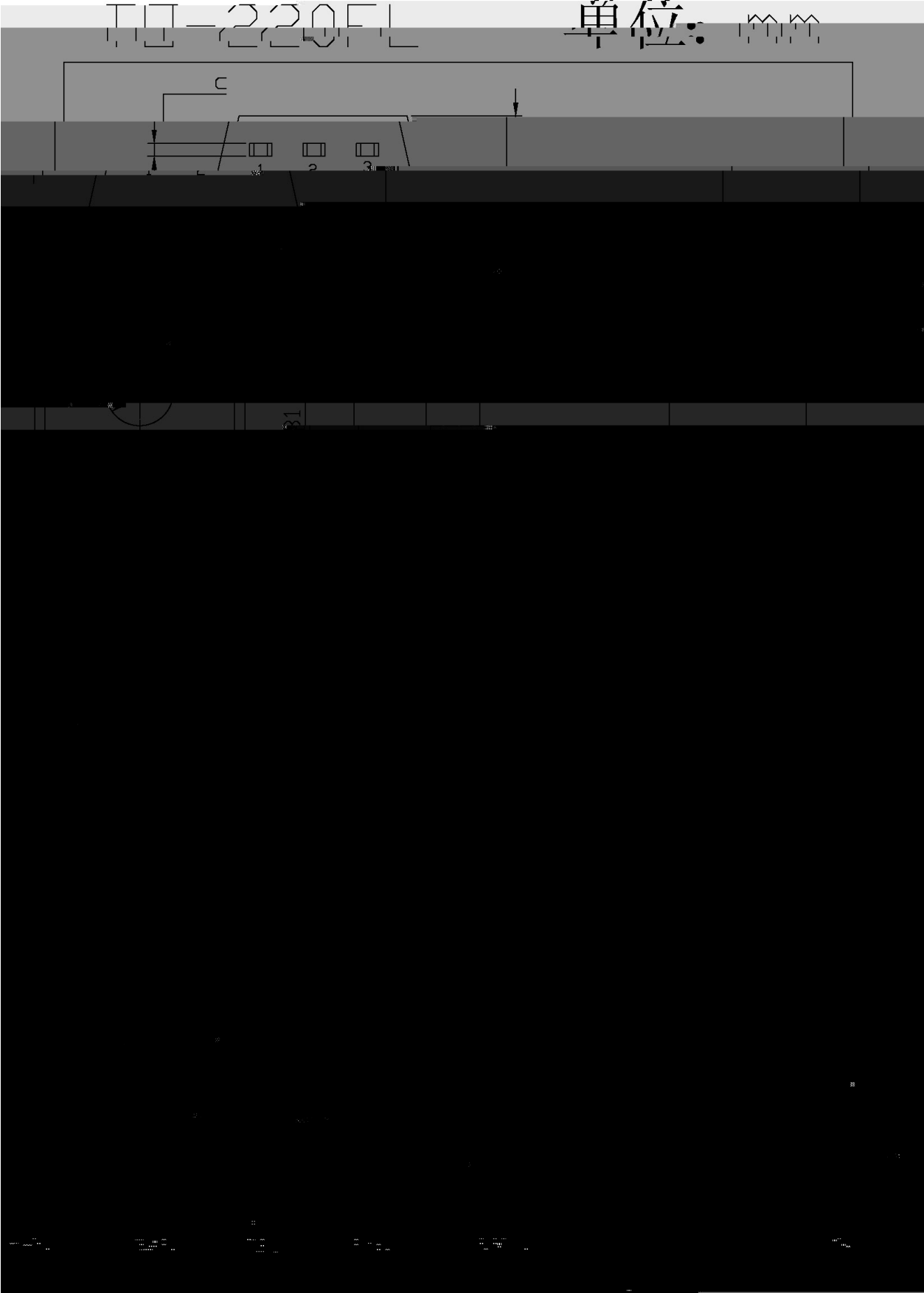
Electrical Characteristic Curve



Electrical Characteristic Curve



⓪ É Ò Ĺ ģ / Package Dimensions



BRFL65R190C

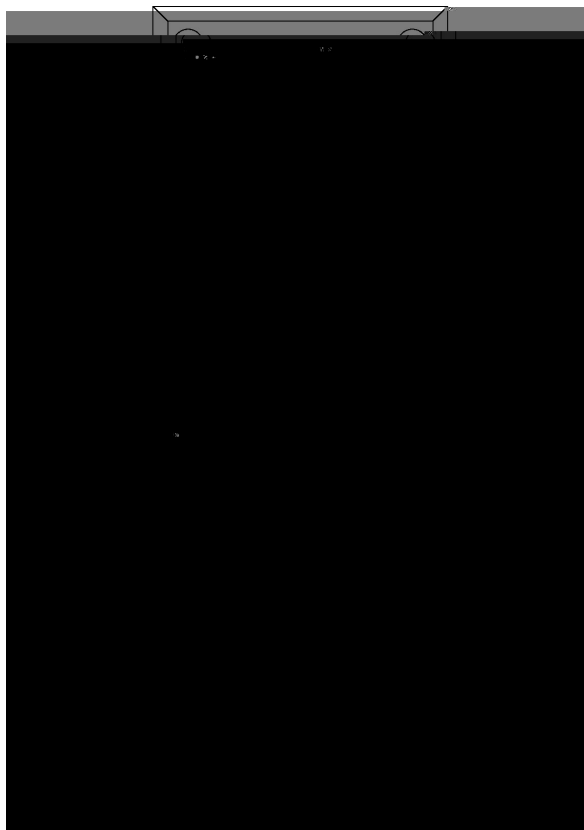
Rev.A May.-2024



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

4. 1. 1. / Marking Instructions



BR

65R190C

Note:

BR: Company Code

65R190C: Product Type Code

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

