/ Descriptions

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

/ Features

, ,

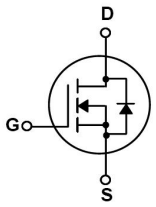
Low gate charge, low crss, fast switching.

/ Applications

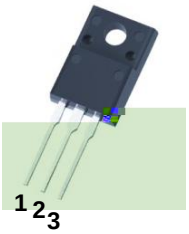
DC/DC

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

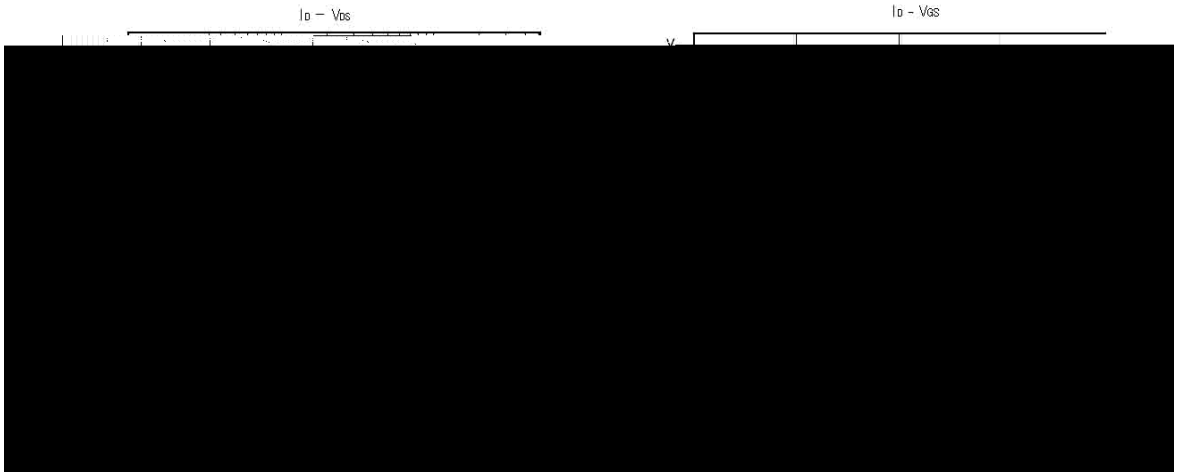
/ h_{FE} Classifications & Marking

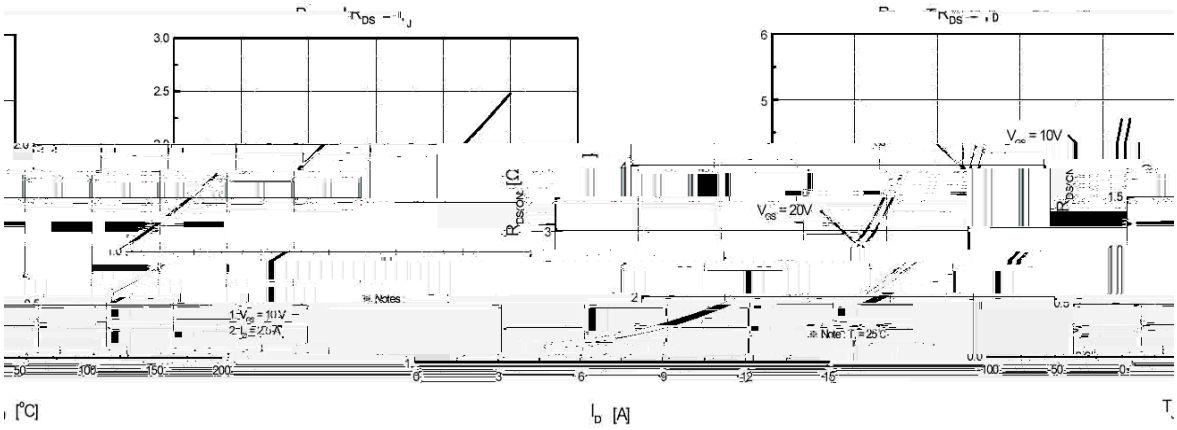
See Marking Instructions.

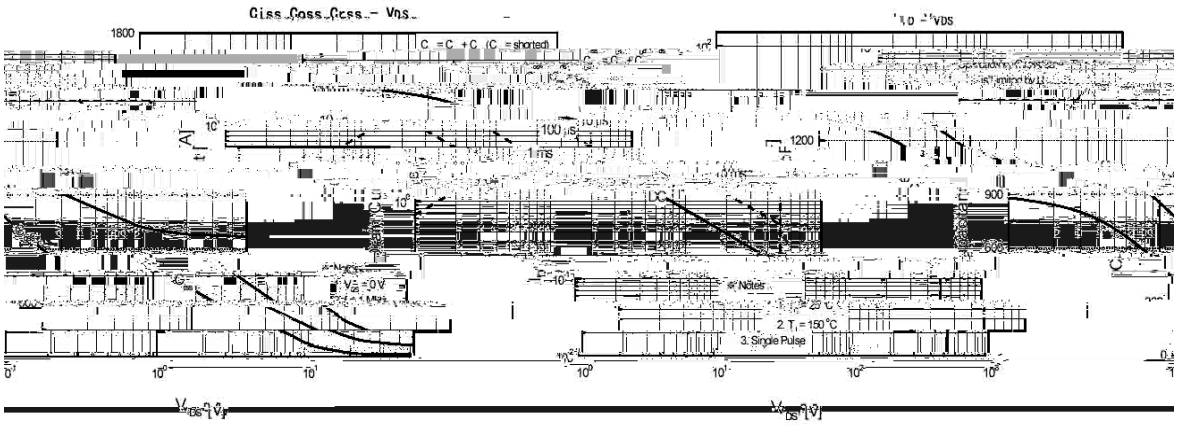
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	500	V
Drain Current	I_D(Tc=25)	5.0	A
Drain Current	I_D(Tc=100)	3.0	A
Drain Current - Pulsed	I_{DM}	20	A
Gate-Source Voltage	V_{GSS}	±30	V

urce V 59.3886385564.32 593.5403 Tm0me±S88e A

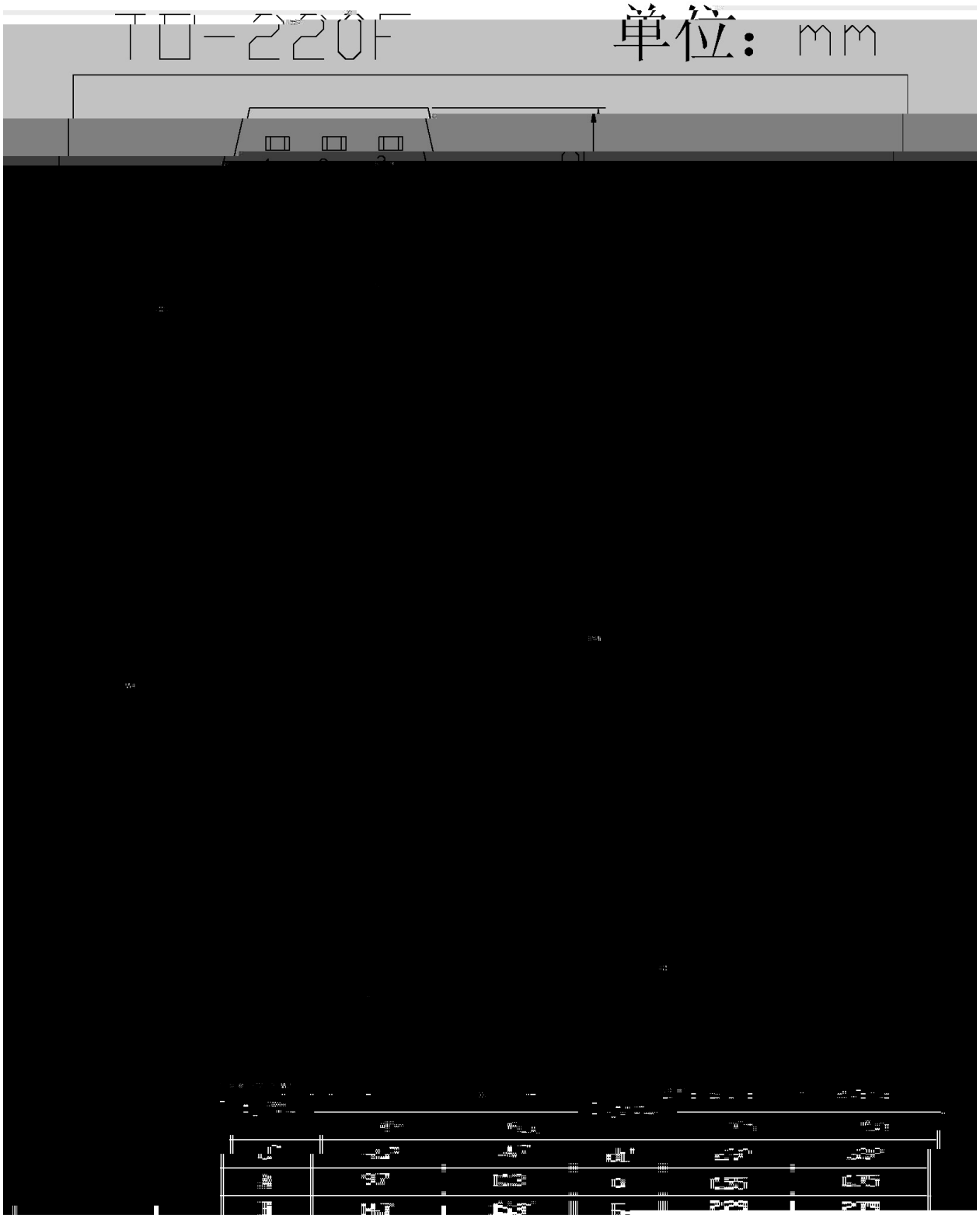
/ Electrical Characteristic Curve



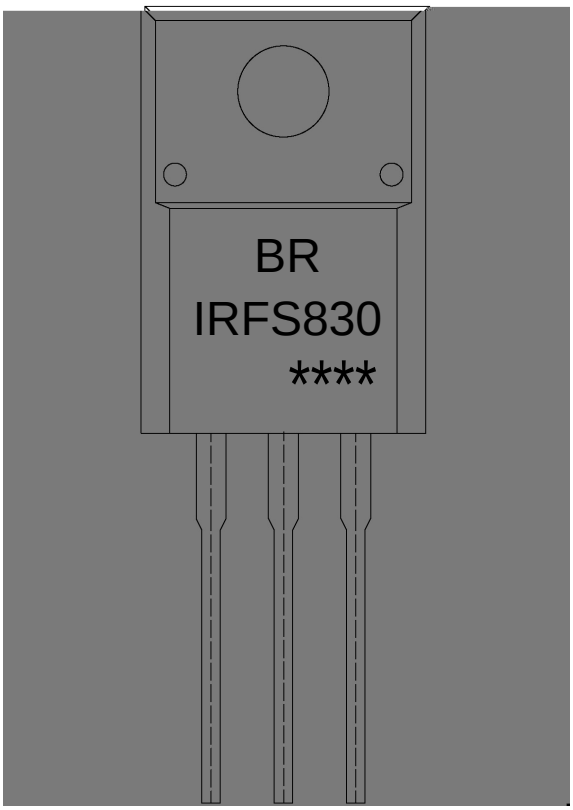




/ Package Dimensions



/ Marking Instructions



BR

IRFS830

****

Note:

BR:	Company Code
IRFS830:	Product Type.
****:	Lot No. Code, code change with Lot No.