

/ Descriptions

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

/ Features

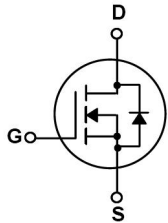
Low gate charge, low crss, fast switching.

/ Applications

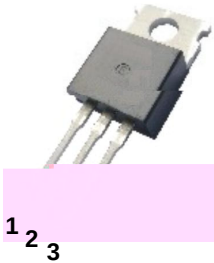
DC/DC

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

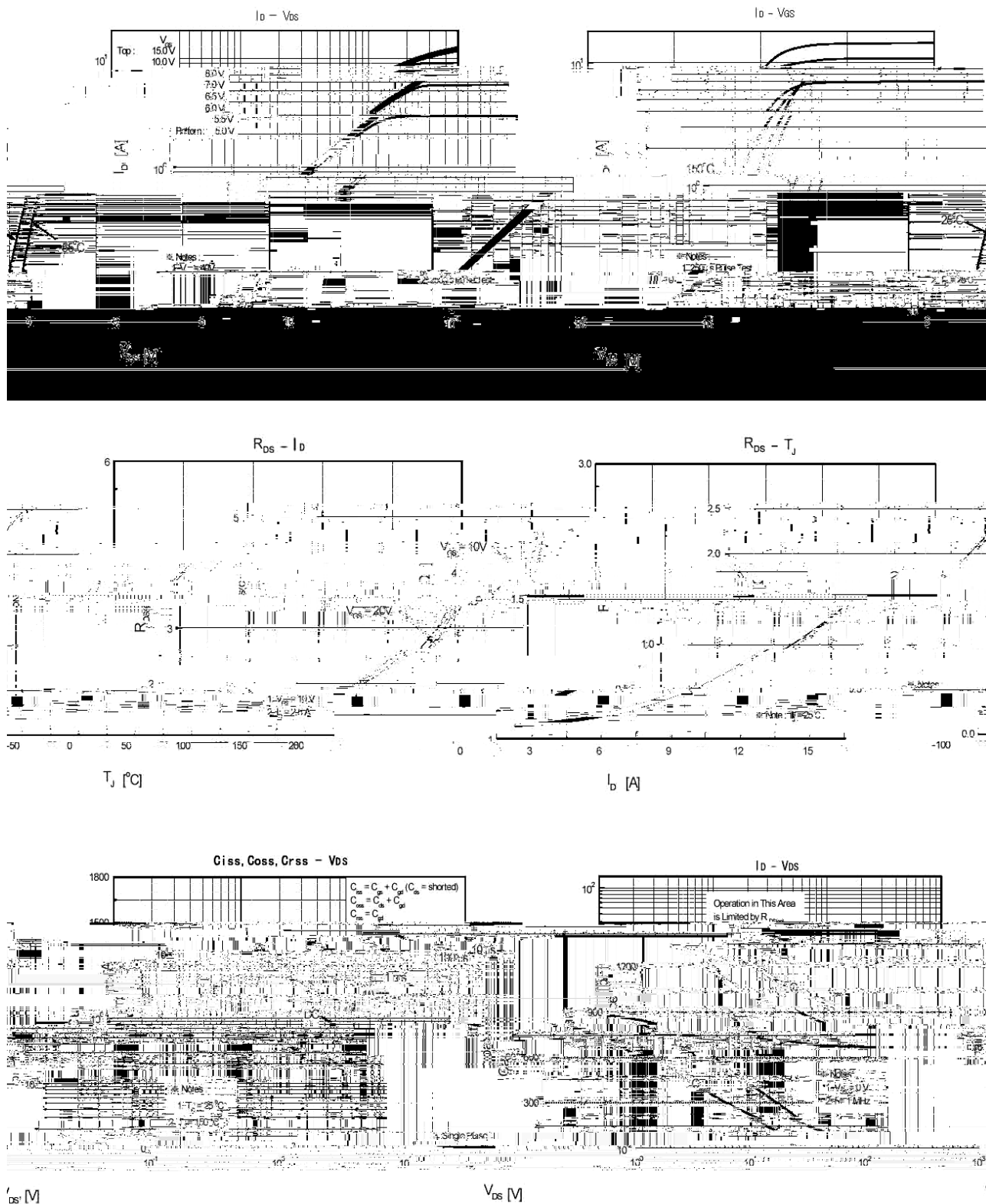
PIN 3 S

/ h_{FE} Classifications & Marking

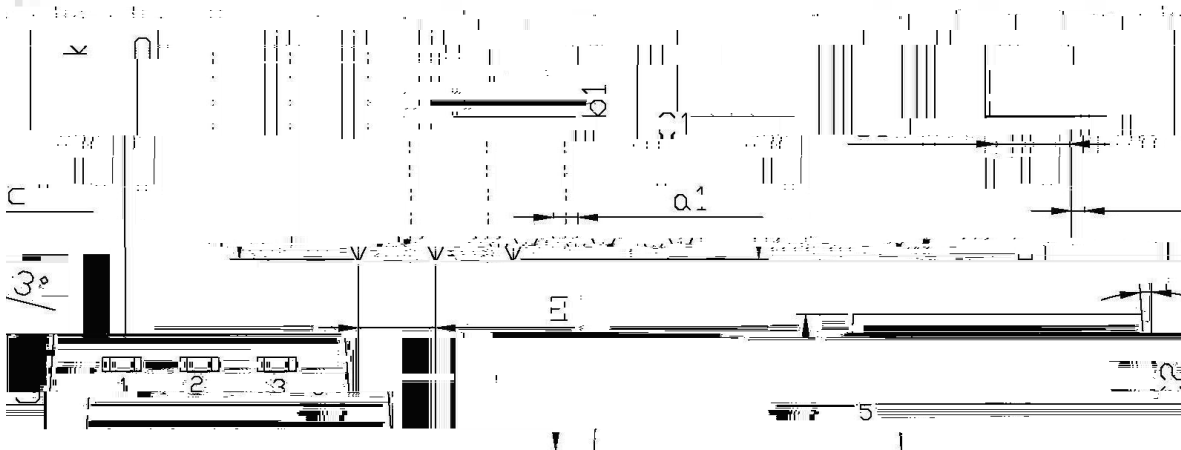
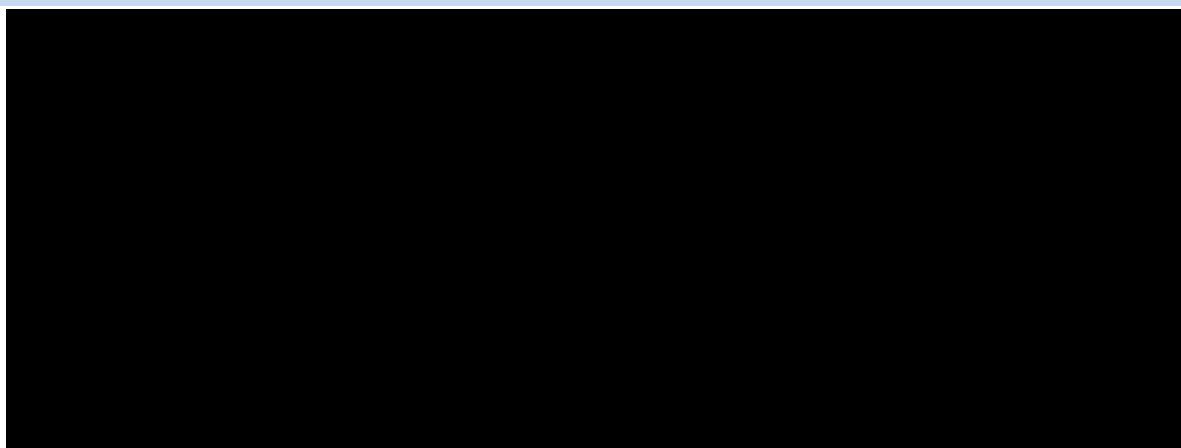
See Marking Instructions.

Parameter	Symbol	Rating
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/ Electrical Characteristic Curve

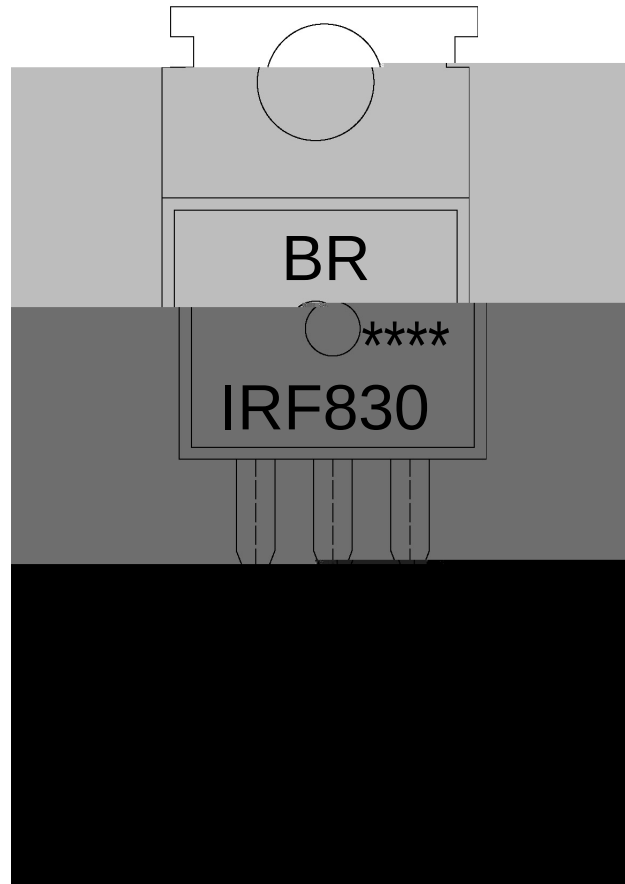


/ Package Dimensions



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	9.8	10.2	C	1.2	1.4
E	3.56	3.61	D	0.3	0.4
G	1.57	1.61	B	6.3	6.7
J	2.0	2.4	F	9.0	9.4
M	0.3	0.4	K	0.3	0.4
P	0.3	0.4	L	0.3	0.4
S	0.3	0.4	O	0.3	0.4
V	0.3	0.4	Q	0.3	0.4
Y	0.3	0.4	R	0.3	0.4
	1.25	1.45			

/ Marking Instructions



BR

IRF830

Note:

BR: Company Code

IRF830: Product Type.

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

