

/ Descriptions

TO-263 N MOS N-CHANNEL MOSFET in a TO-263 Plastic Package.

/ Features

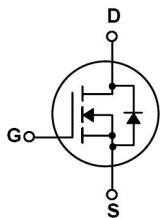
Low gate charge, low crss, fast switching.

/ Applications

DC/DC

These devices are well suited for high efficiency switching DC/DC converters and switch mode power supplies.

/ Equivalent Circuit



/ Pinning



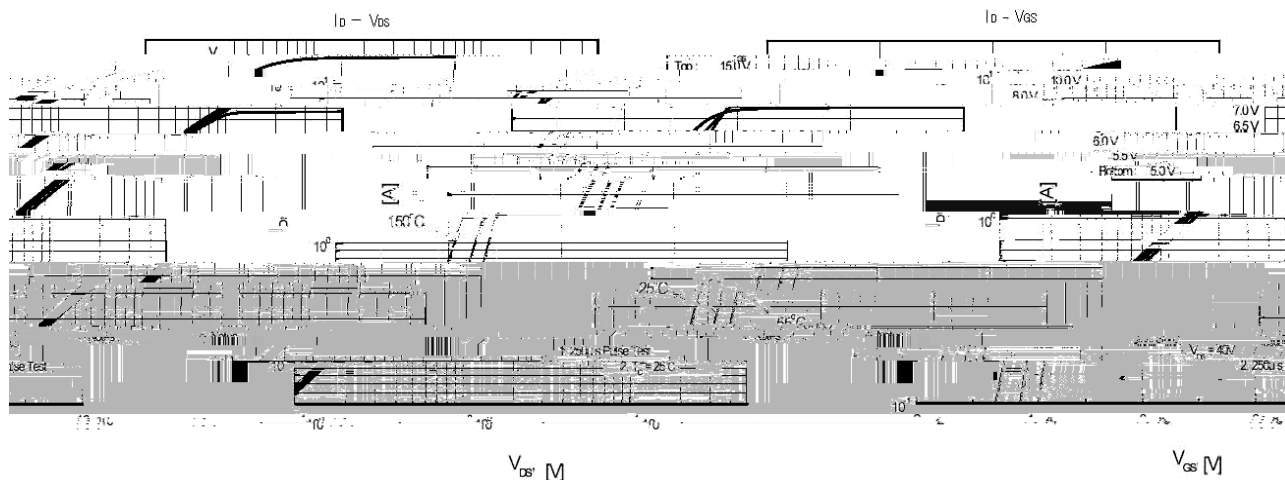
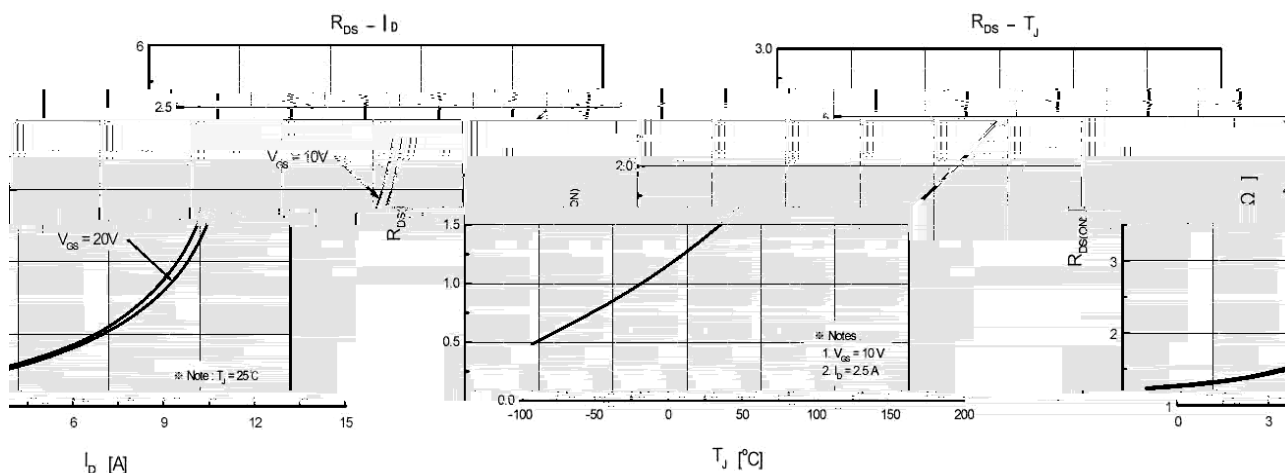
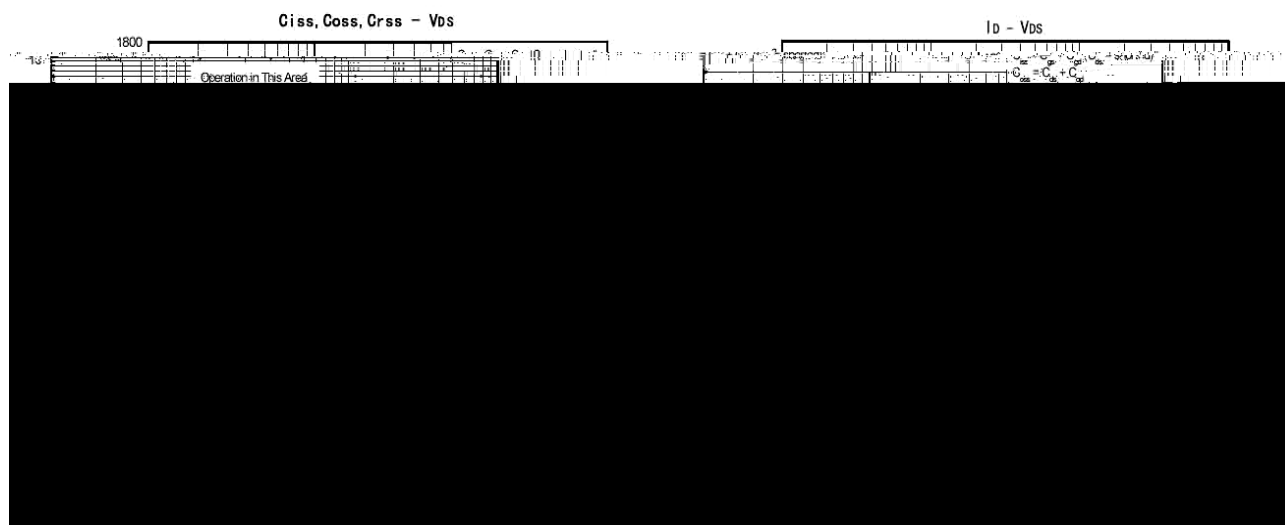
PIN1 G PIN 2,4 D PIN 3 S

/ h_{FE} Classifications & Marking

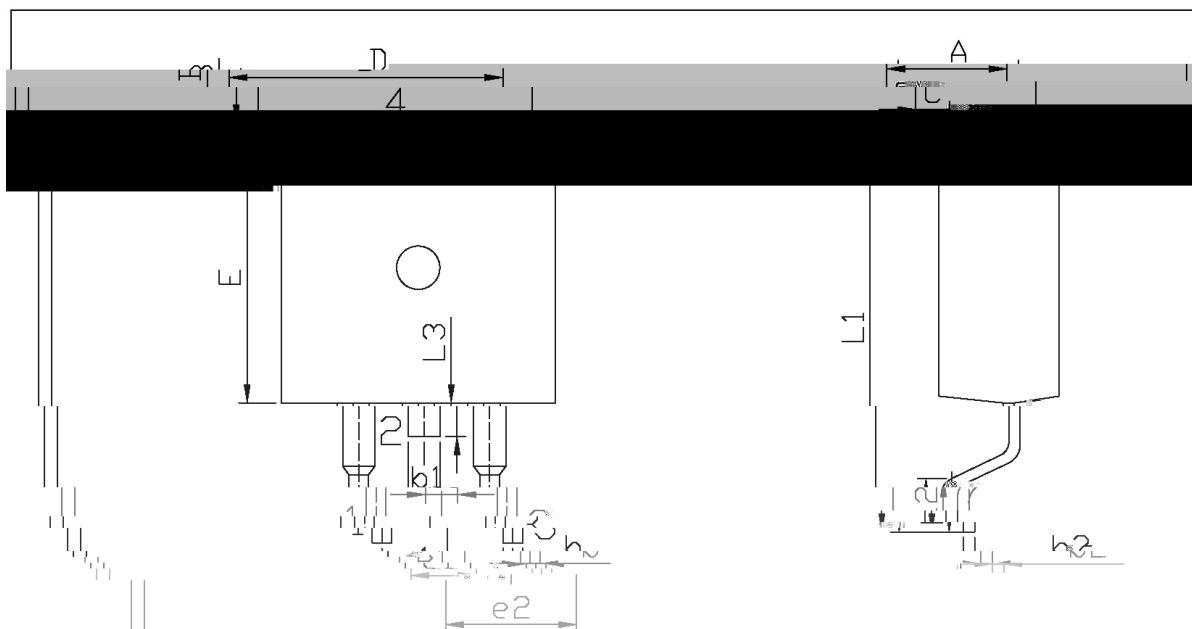
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	500	V
Drain Current	$I_D(T_c=25^\circ\text{C})$	5.0	A
Drain Current	I		

Electrical Characteristic Curve

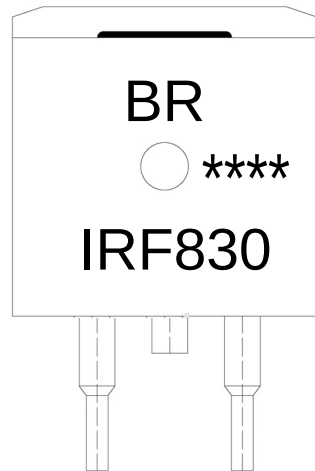


/ Package Dimensions



Dimensions in Millimeters					
Max	Min	Max	Min	Max	Min
9.40	4.30	4.70	7.00	9.00	4.00
2.74	1.00	1.40	1.00	2.34	1.00

/ Marking Instructions



BR

IRF830

Note:

BR: Company Code

IRF830: Product Type.

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

() / **Temperature Profile for IR Reflow Soldering(Pb-Free)**