/ Descriptions

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

/ Features

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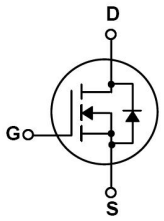
Low gate charge, low crss, fast switching.

/ Applications

DC/DC

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

/ Equivalent Circuit



/ Pinning



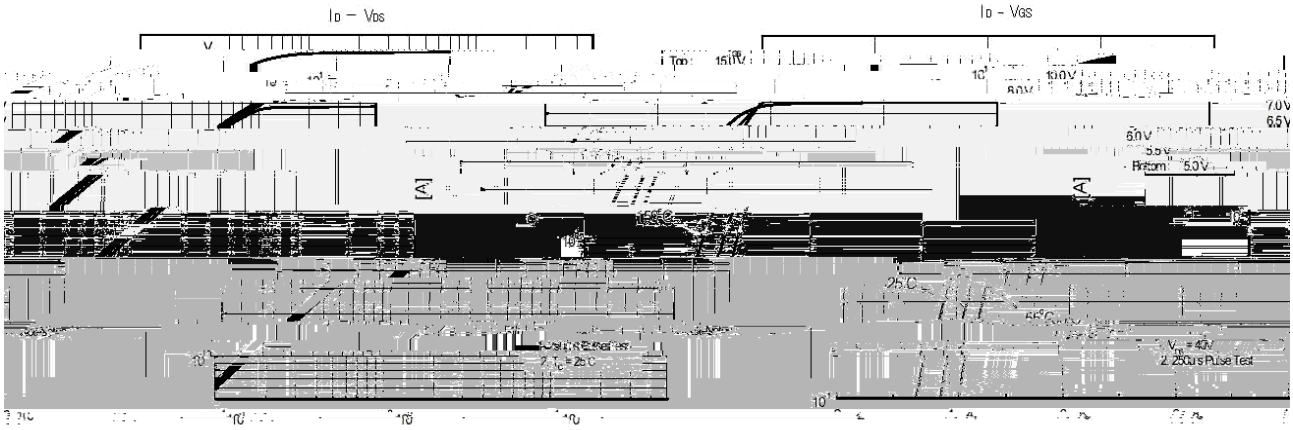
PIN1 G PIN 2,4 D PIN 3 S

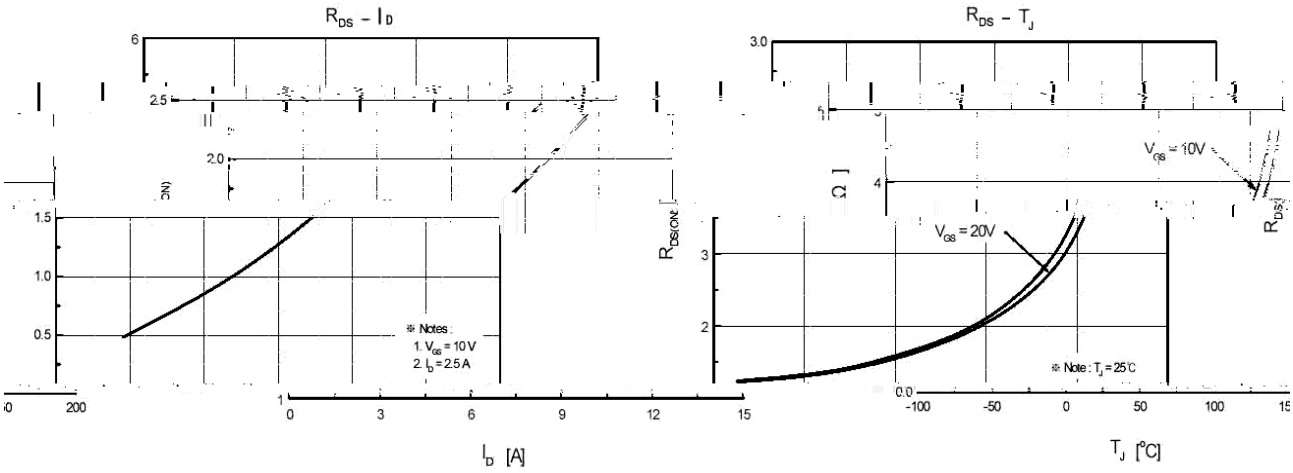
/ h_{FE} Classifications & Marking

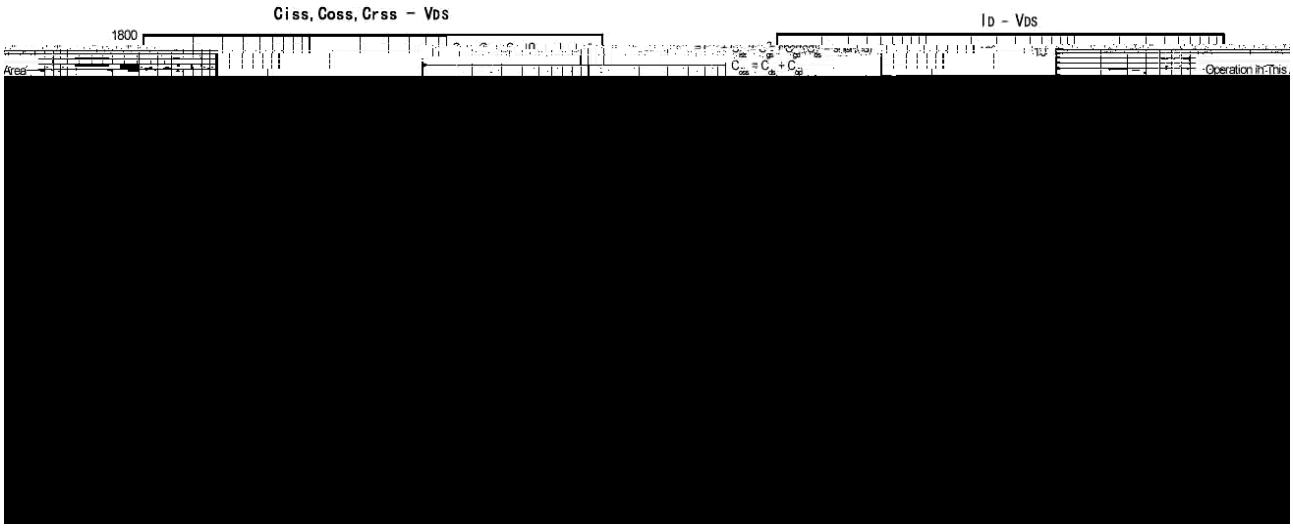
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	500	V
Drain Current	I_D(Tc=25)	5.0	A
Drain Current	I		

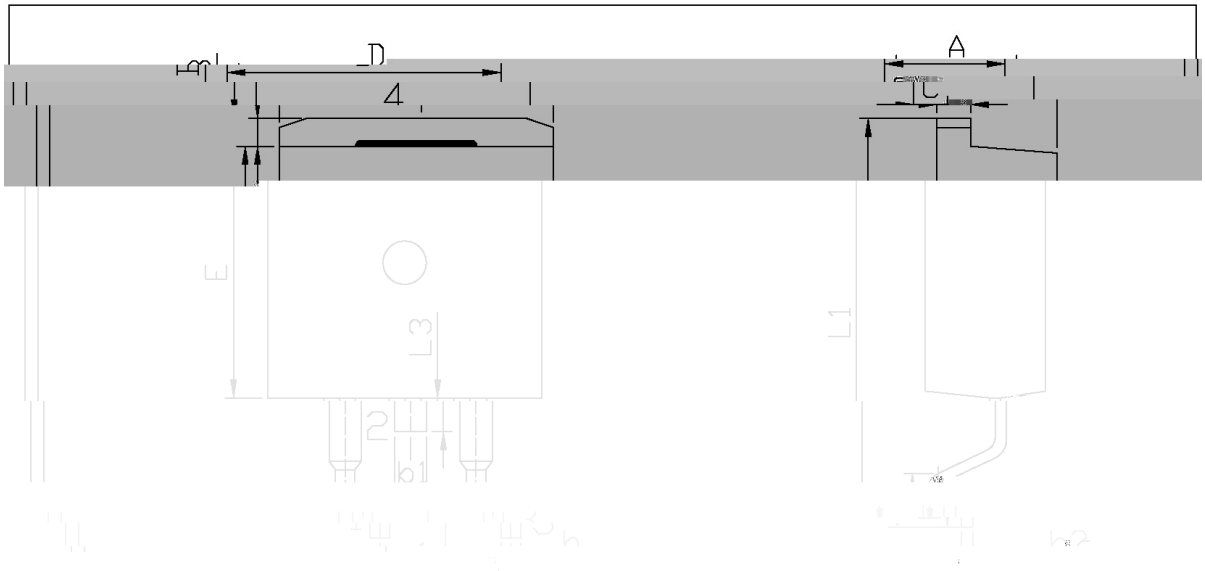
/ Electrical Characteristic Curve





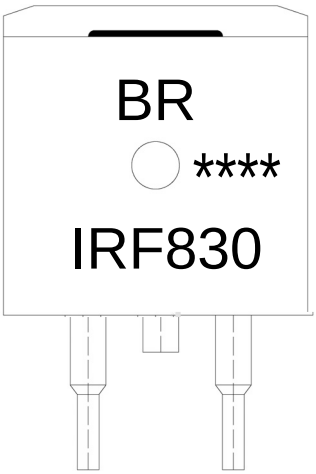


/ Package Dimensions



	Max			Min	Max		Min
			A	4.30	4.70	E	
	2.74		B	1.00	1.40	e1	2.34
00	16.00		b1	1.15	1.35	L1	
	2.84						
20	1.60		C	1.20	1.40	L3	
			D	9.80	10.20		

/ Marking Instructions



BR

IRF830

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Note:

BR:	Company Code
IRF830:	Product Type.
****:	Lot No. Code, code change with Lot No.

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