

**/ Descriptions**

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

**/ Features**

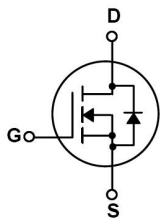
Low gate charge, low crss, fast switching.

**/ Applications**

DC/DC

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

**/ Equivalent Circuit**



**/ Pinning**



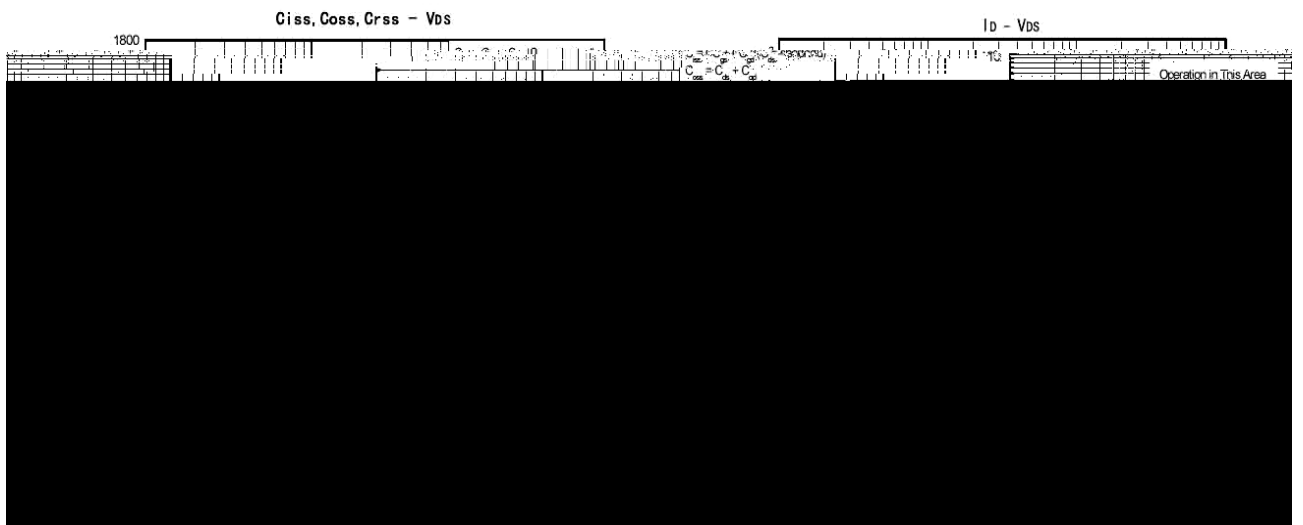
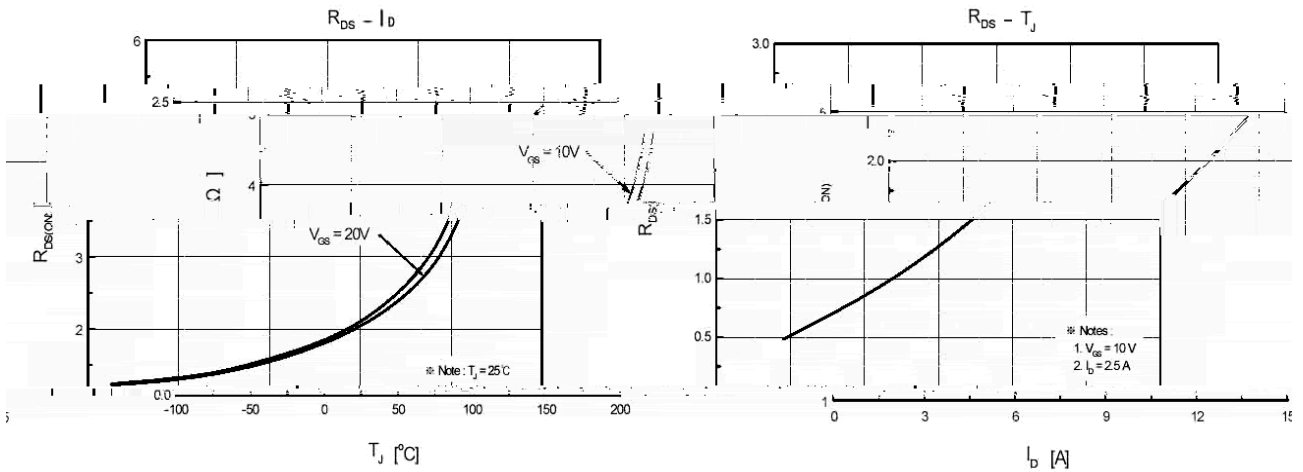
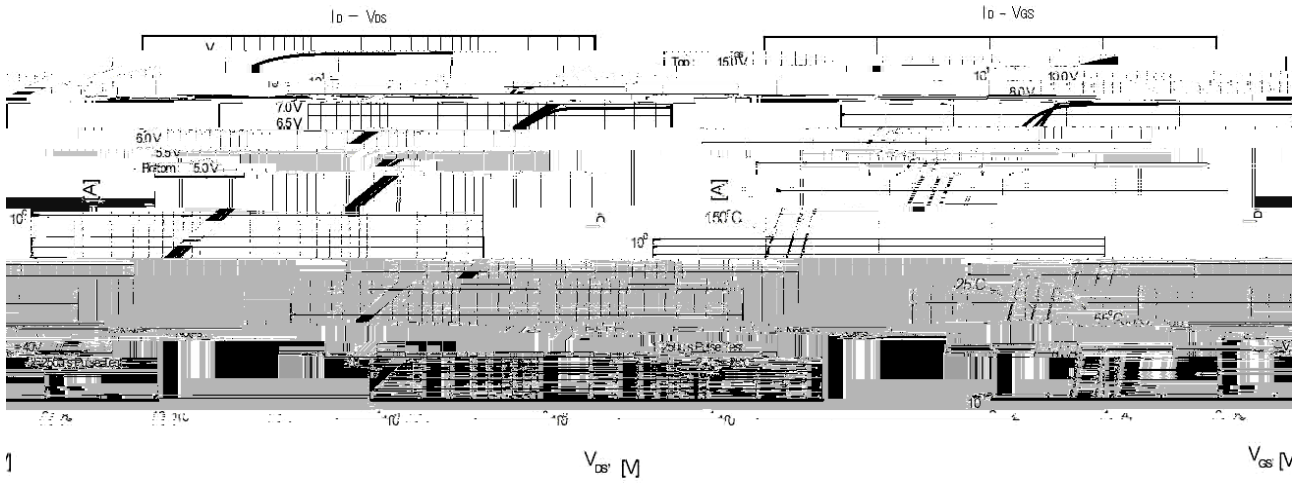
PIN1 G          PIN 2,4 D          PIN 3 S

**/ h<sub>FE</sub> Classifications & Marking**

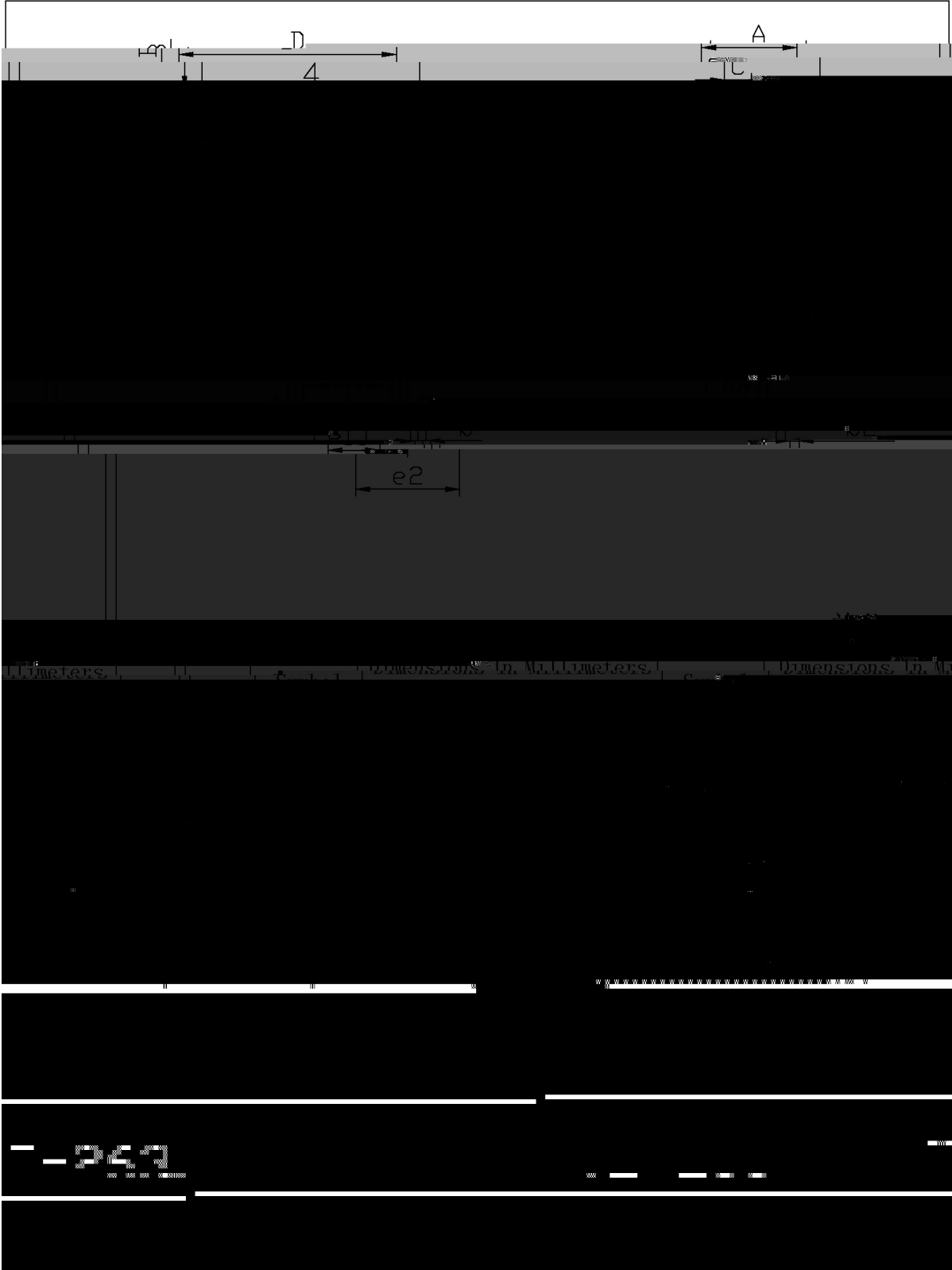
See Marking Instructions.

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		

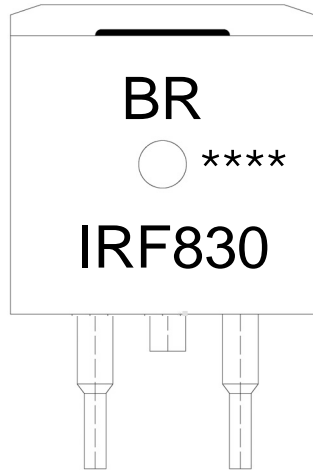
**/ Electrical Characteristic Curve**



/ Package Dimensions



**/ 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)