

**/ Descriptions**

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

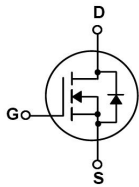
**/ Features**

#      #  
Low gate charge, low crss, fast switching.

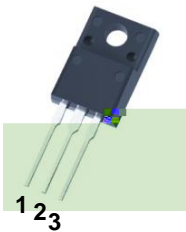
**/ Applications**

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

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DSS}$	600	V
Drain Current	$I_D(T_C=25)$	5.0	A
Drain Current	$I_D(T_C=100)$	2.6	A
Drain Current - Pulsed	$I_{DM}$	18	A
Gate-Source Voltage	$V_{GSS}$	$\pm 30$	V
Single Pulsed Avalanche Energy	$E_{AS}$	210	mJ
Repetitive Avalanche Energy	$E_{AR}$	10	mJ
Avalanche Current	$I_{AR}$	4.5	A
Power Dissipation	$P_D(T_C=25)$	54	W
Operating and Storage Temperature Range	$T_J, T_{STG}$	-55 to 150	

Parameter                      Symbol                      Test Conditions



/ Package Dimensions





**BRF5N60**  
Rev.E Dec.-2015