

Rev.A Nov.-2018

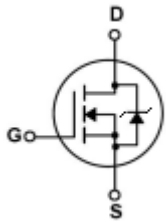
TO-247 N N-CHANNEL MOSFET in a TO-247 Plastic Package.

Low gate charge minimize switching loss and fast recovery body diode.HF Product.

DC/DC

UPS

These devices are well suited for high efficiency switching DC/DC converters,Synchronous rectification and UPS inverter.

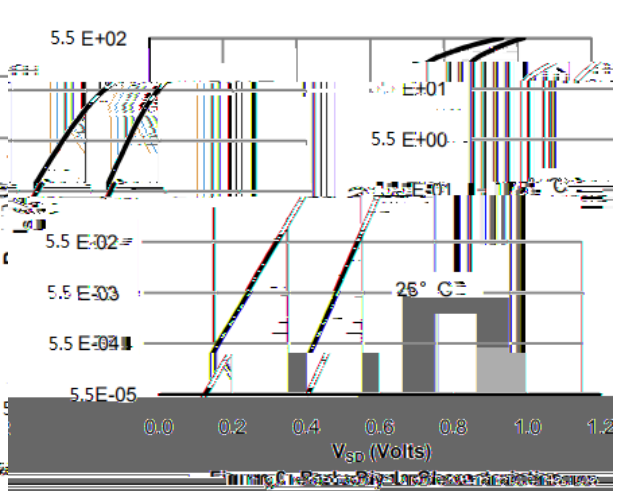
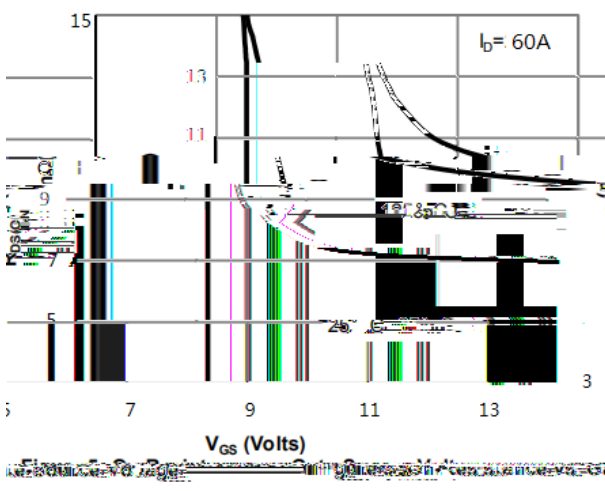
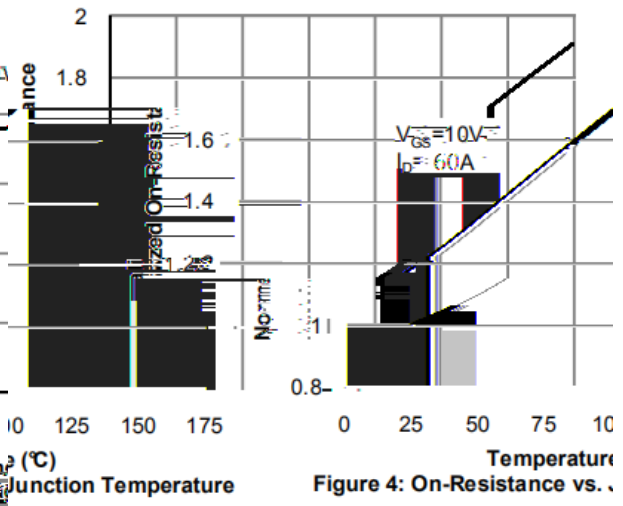
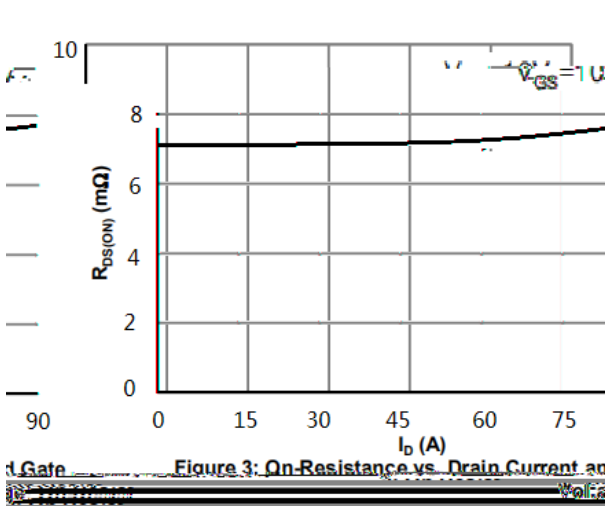
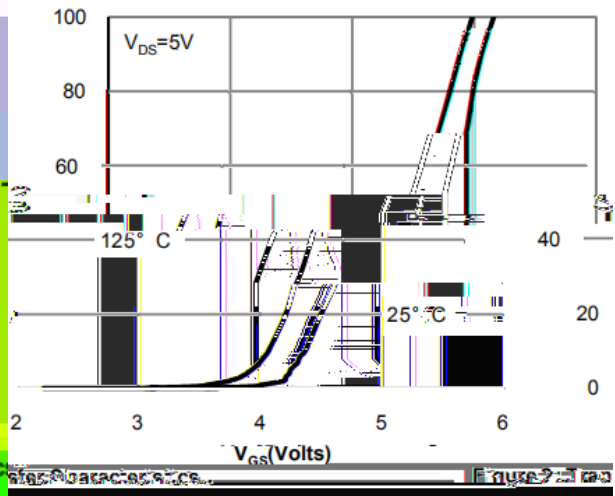
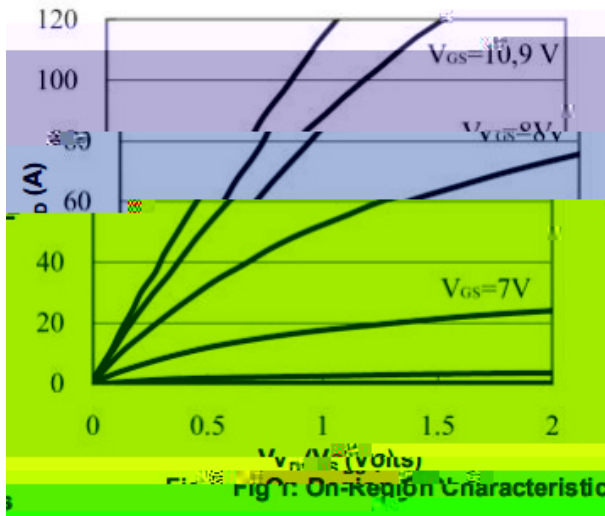


PIN1 G PIN 2 D PIN 3 S

S

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	60	V
Drain Current	$I_D(T_c=25^\circ\text{C})$	120	A
	$I_D(T_c=100^\circ\text{C})$	88	A
Pulsed Drain Current	I_{DM}	480	A
Gate-Source Voltage	V_{GSS}	± 20	V
Avalanche Current	I_{AR}	76.7	A
Avalanche energy $L=0.5\text{mH}$	E_{AS}	1200	mJ
Total Power Dissipation	$P_D(T_c=25^\circ\text{C})$	300	W
Junction and Storage Temperature Range	T_J, T_{STG}	-55 to 175	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
-----------	--------	-----------------	-----	-----	-----	------







BR
120N06

Note:

BR:



- 1

25 150

60 90sec;

2

255±5

5±0.5sec;

3

2 10

/sec.
- Note:

1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec