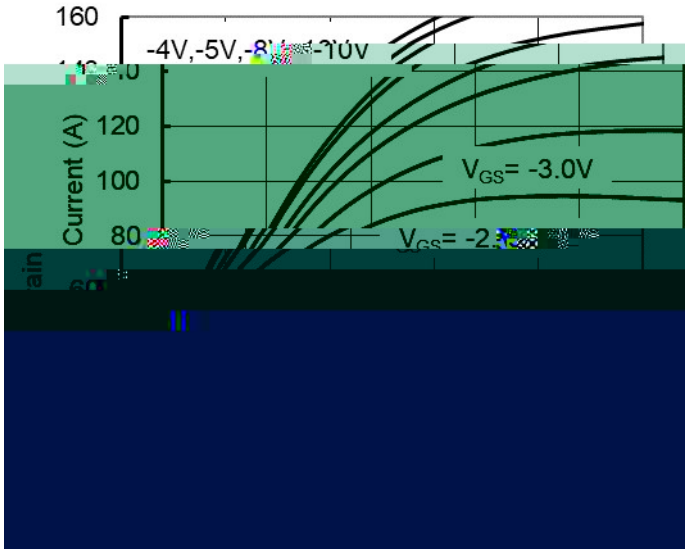
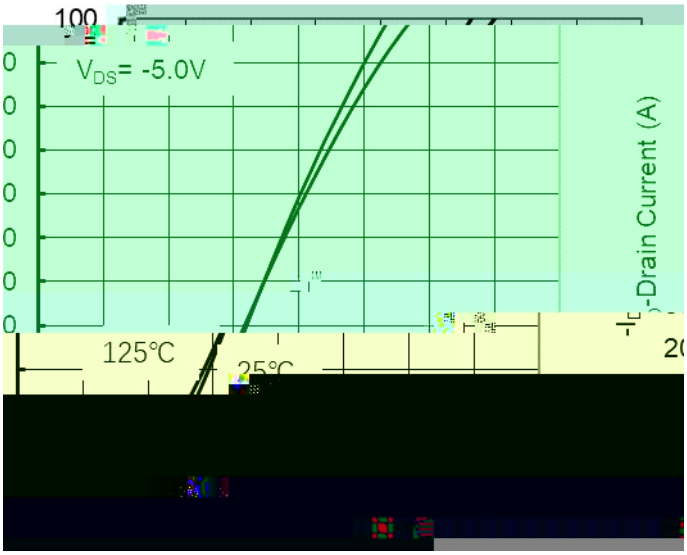
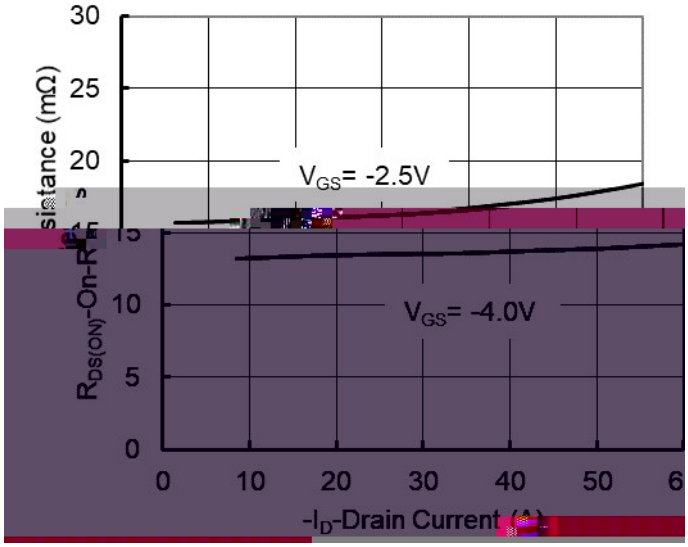
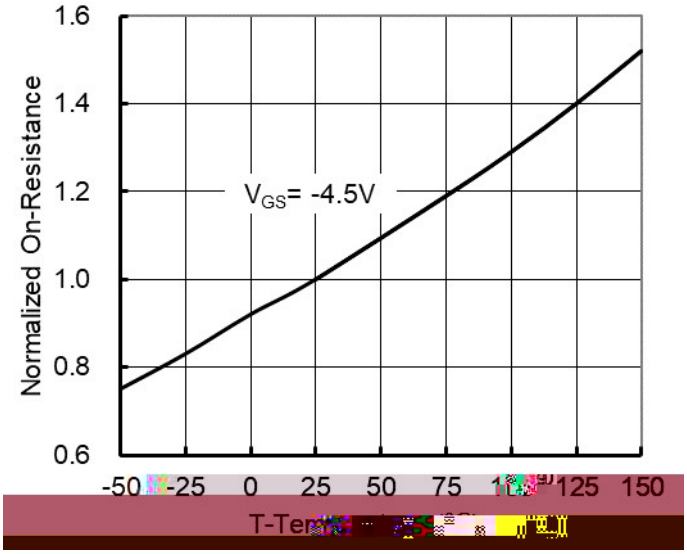
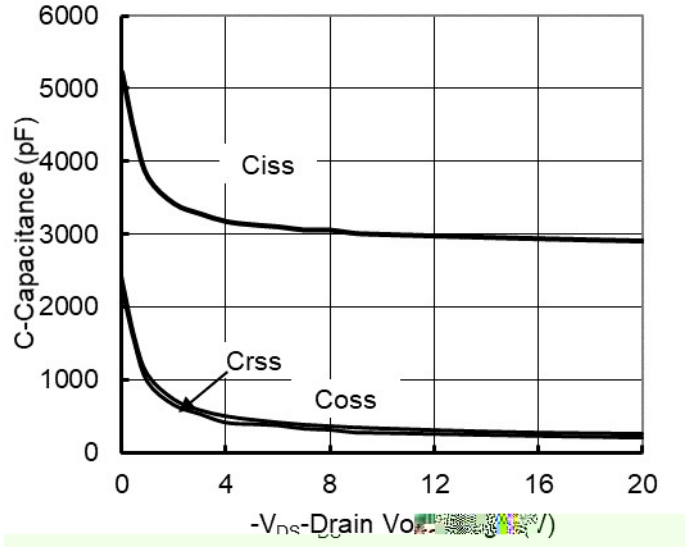
J V

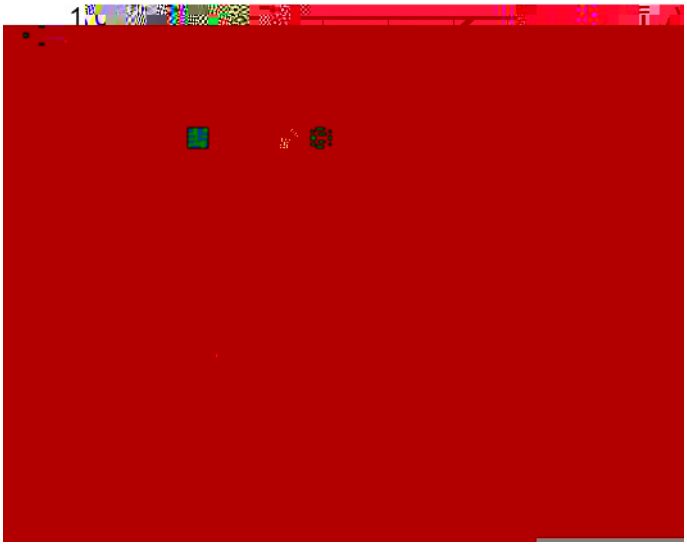

160
120
100
80
Current (A)
-4V,-5V,-8
-10V
V_{GS}= -3.0V
V_{GS}= -2.5

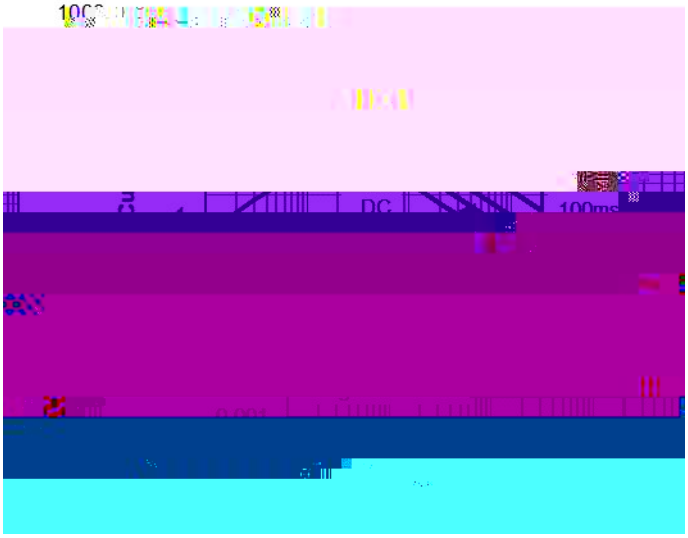

100
V_{DS}= -5.0V
-Drain Current (A)
125°C
25°C

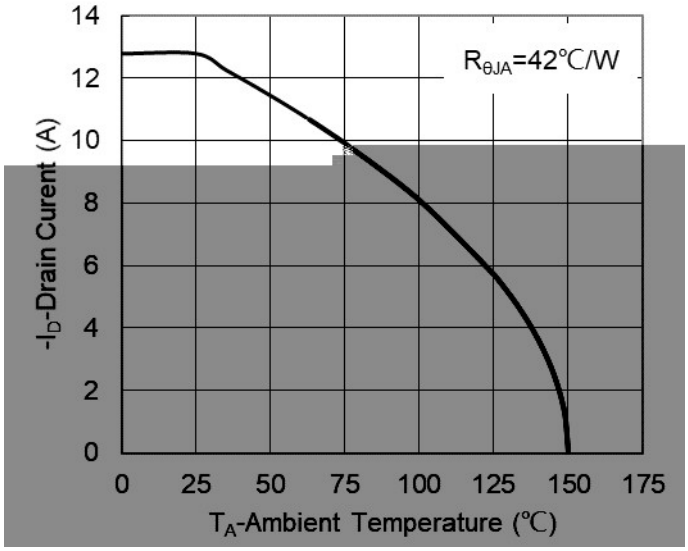

30
25
20
15
10
5
0
$R_{DS(ON)}$-On-Resistance (mΩ)
V_{GS}= -2.5V
V_{GS}= -4.0V
0
10
20
30
40
50
-I_D-Drain Current (A)

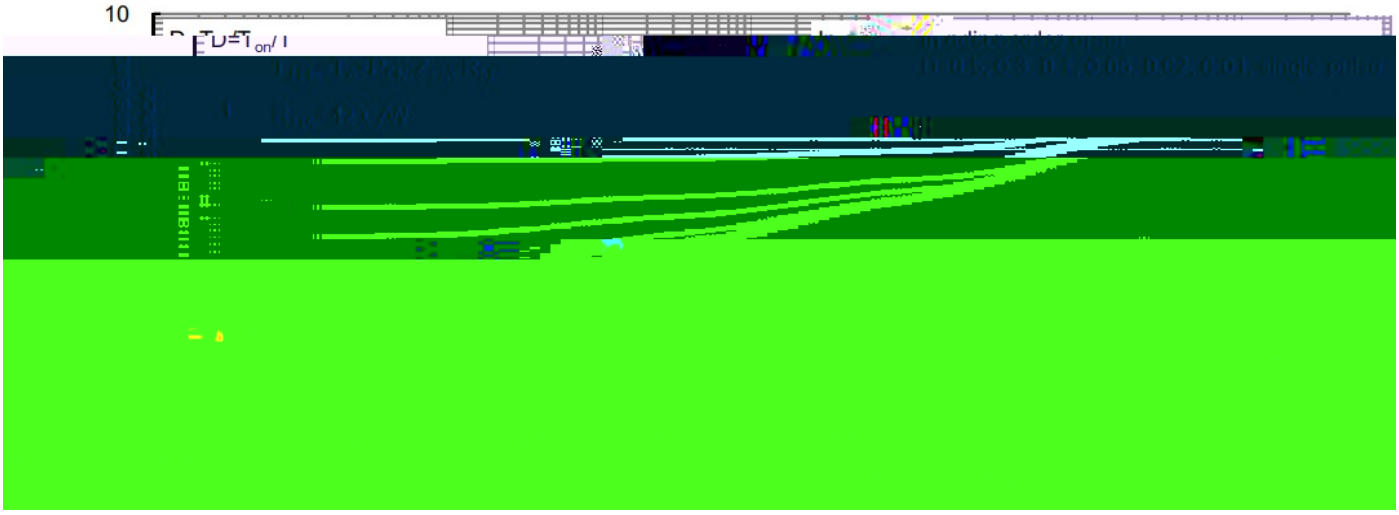

1.6
1.4
1.2
1.0
0.8
0.6
Normalized On-Resistance
V_{GS}= -4.5V
-50
-25
0
25
50
75
125
150

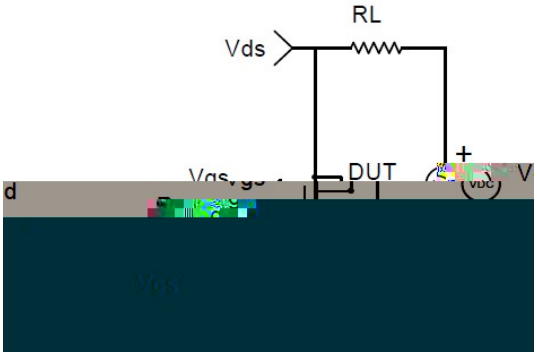

6000
5000
4000
3000
2000
1000
0
C-Capacitance (pF)
Ciss
Crss
Coss
0
4
8
12
16
20

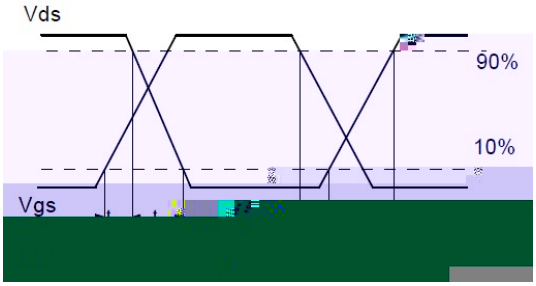


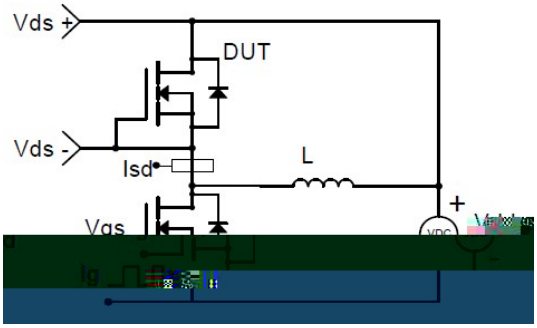

DC
100ms

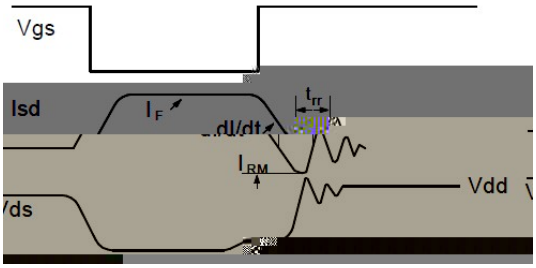

$R_{\theta JA}$=42°C/W
$-I_D$-Drain Curent (A)
T_A-Ambient Temperature (°C)
0
2
4
6
8
10
12
14
0
25
50
75
100
125
150
175

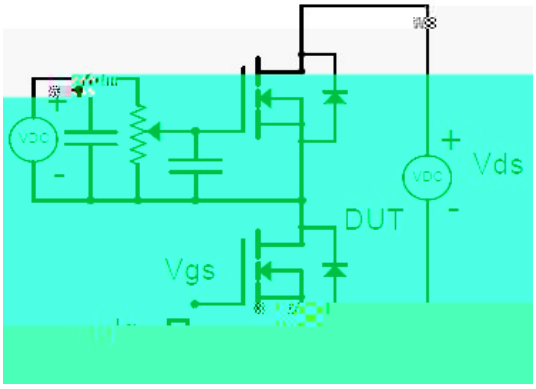

10
D=T$_{on}$/T

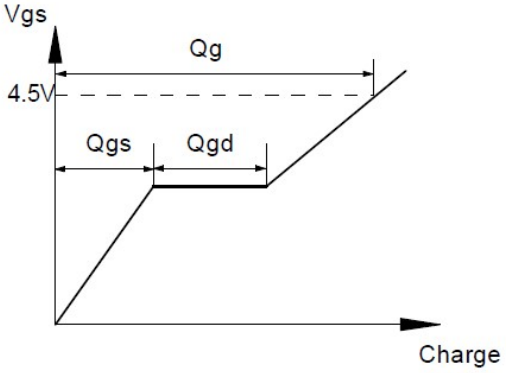

RL
Vds
DUT
+
Vdd

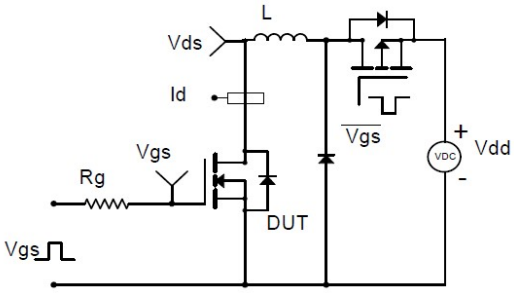

Vds
90%
10%
Vgs

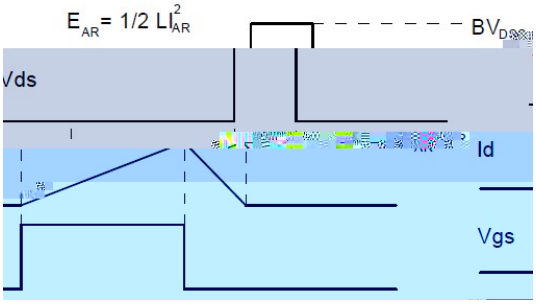

Vds +
DUT
Vds -
Isd
L
Vgs
+
VDC

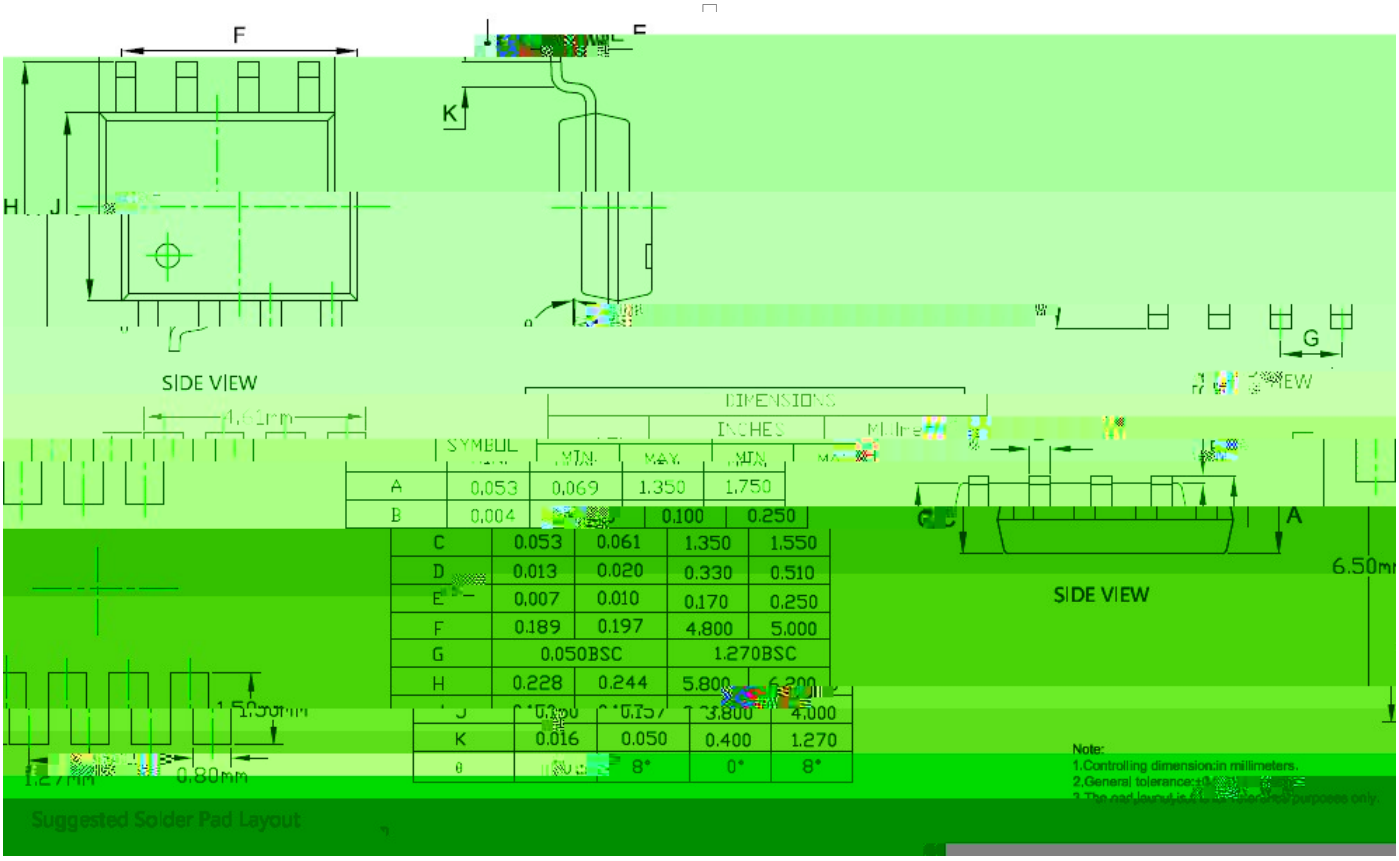

Vgs
Isd
I_F
t_{rr}
dI/dt
I_{RM}
Vdd
Vds


VDC
+
Vds
-
DUT
Vgs


Vgs
Qg
4.5V
Qgs
Qgd
Charge


L
Vds
Id
Vgs
Rg
DUT
Vgs
+
VDC
Vdd
-
Vgs


E_{AR}= 1/2 LI_{AR}^2
BV_{DSS}
Vds
Id
Vgs



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN.	MAX.	MIN.	MAX.
A	0.053	0.069	1.350	1.750
B	0.004	[illegible]	0.100	0.250
C	0.053	0.061	1.350	1.550
D	0.013	0.020	0.330	0.510
E	0.007	0.010	0.170	0.250
F	0.189	0.197	4.800	5.000
G	0.050BSC		1.270BSC	
H	0.228	0.244	5.800	6.200
J	0.150	0.157	3.800	4.000
K	0.016	0.050	0.400	1.270
θ	[illegible]	8°	0°	8°