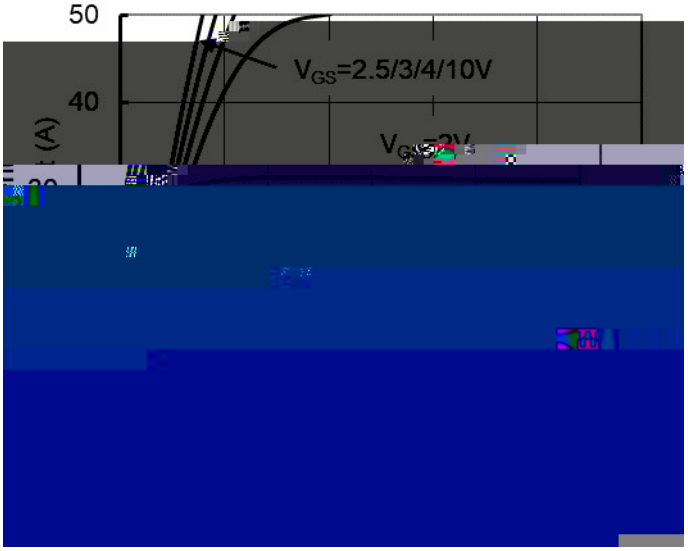
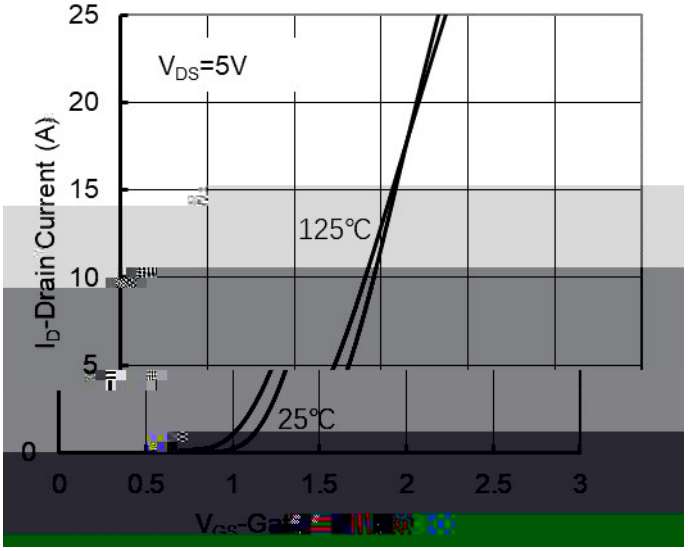
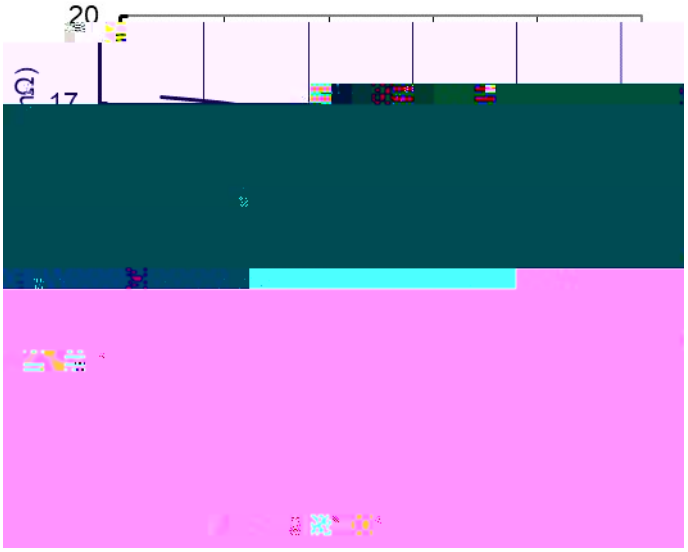
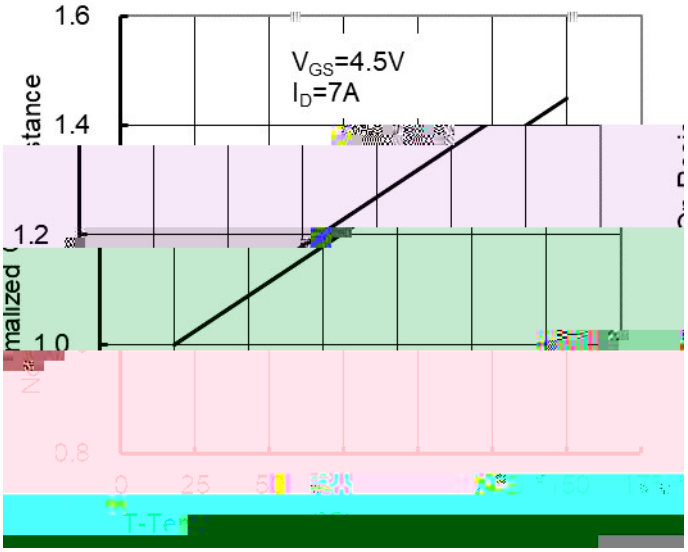
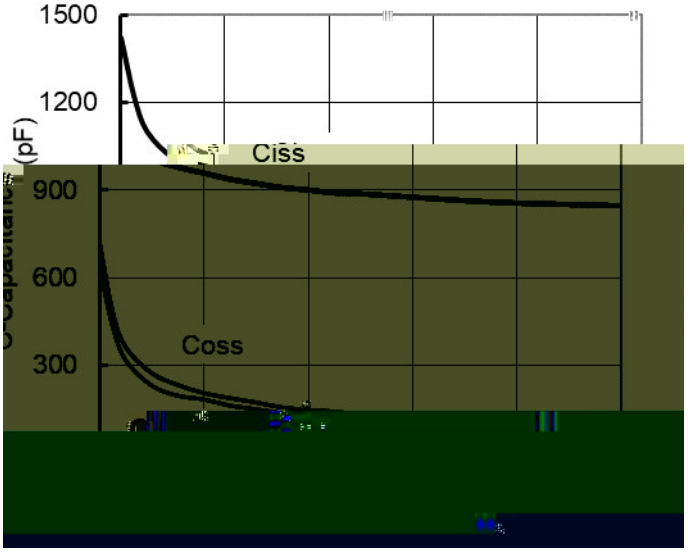
		9 ,				
		9 6 6 $				

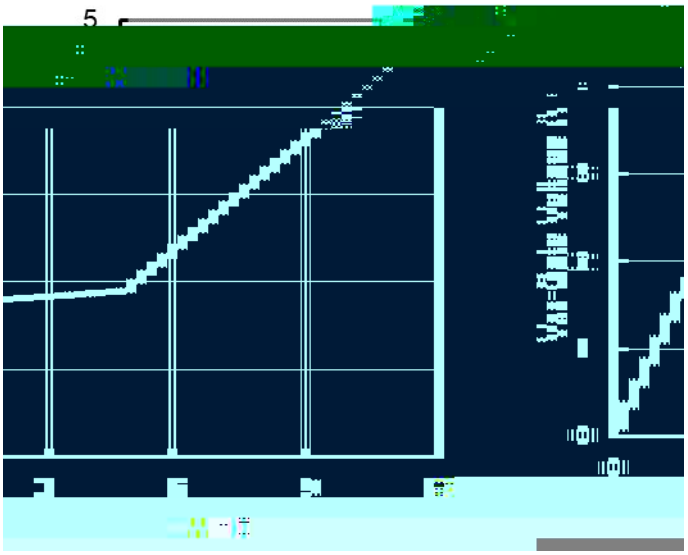

50
40
V_{GS}=2.5/3/4/10V

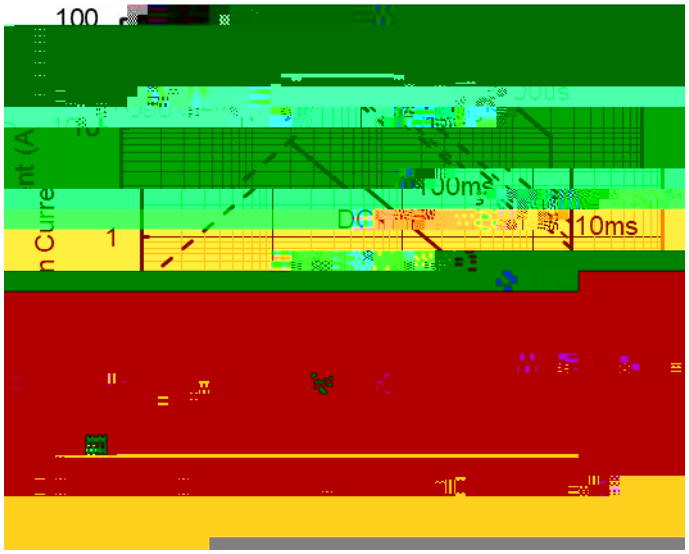

25
20
15
10
5
0
V_{DS}=5V
125℃
25℃
I_D-Drain Current (A)
0
0.5
1
1.5
2
2.5
3

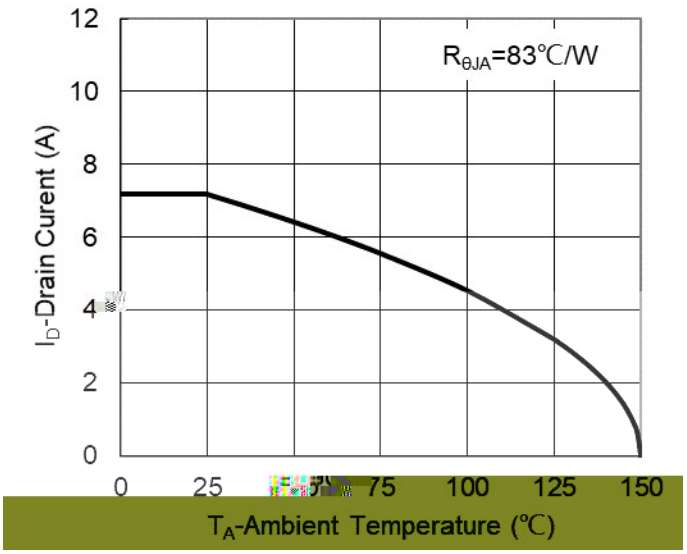

20

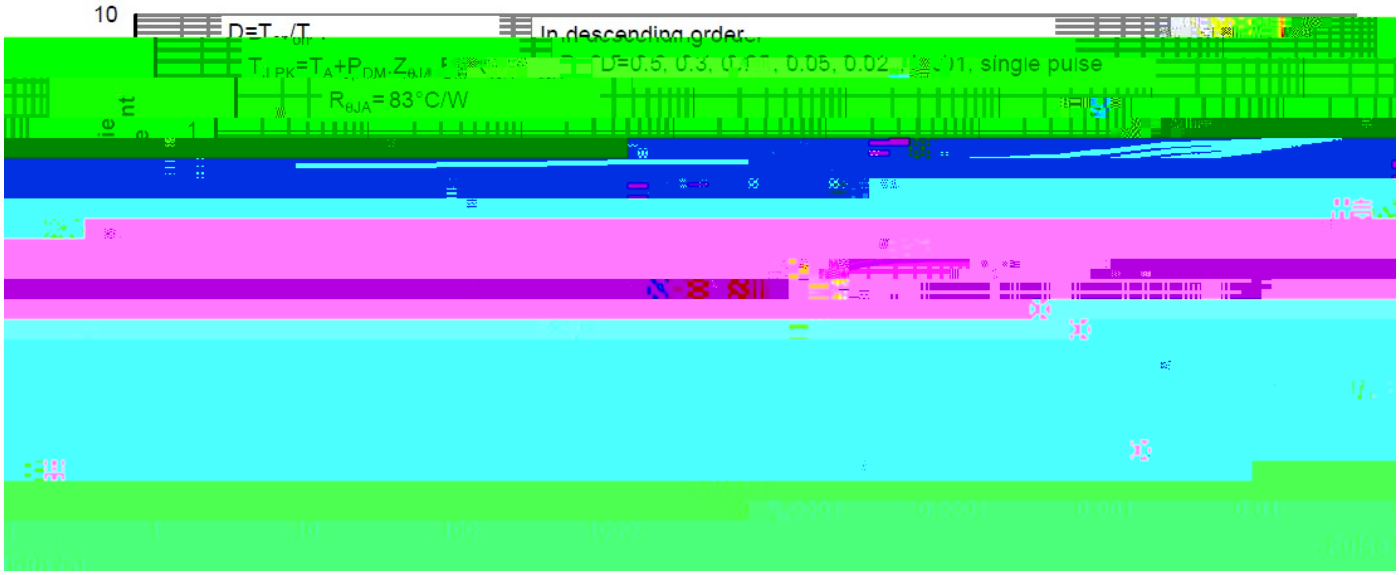

1.6
1.4
1.2
1.0
0.8
V_{GS}=4.5V
I_D=7A

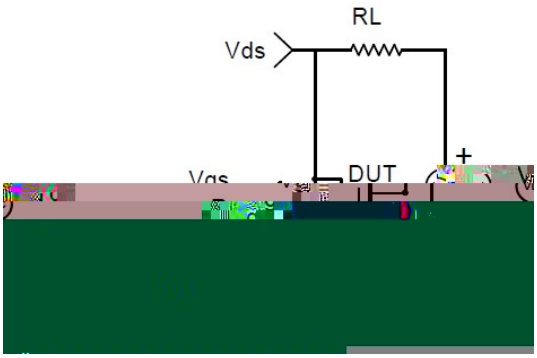

1500
1200
900
600
300
(pF)
Ciss
Coss

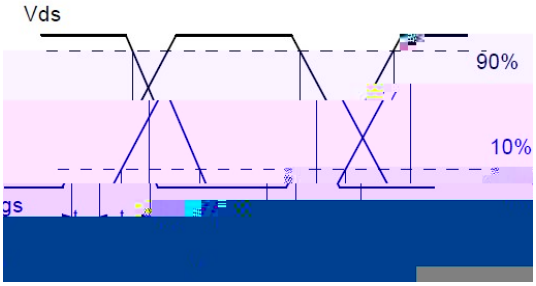

5

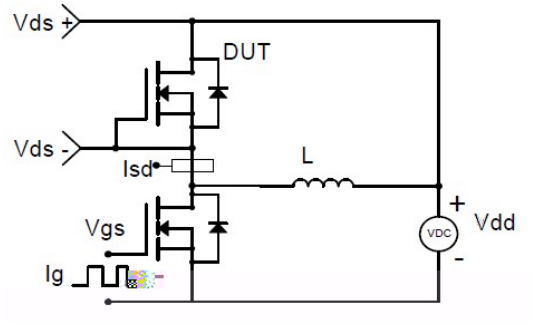

100
1
100ms
DC
10ms

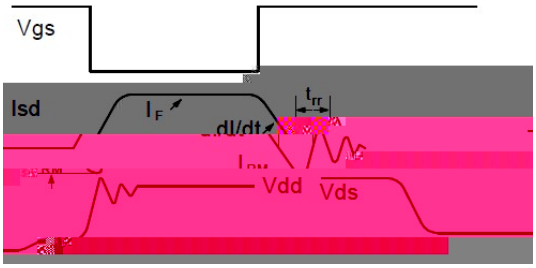

$R_{\theta JA}$=83℃/W
I_D-Drain Curent (A)
12
10
8
6
4
2
0
0
25
75
100
125
150
T_A-Ambient Temperature (℃)

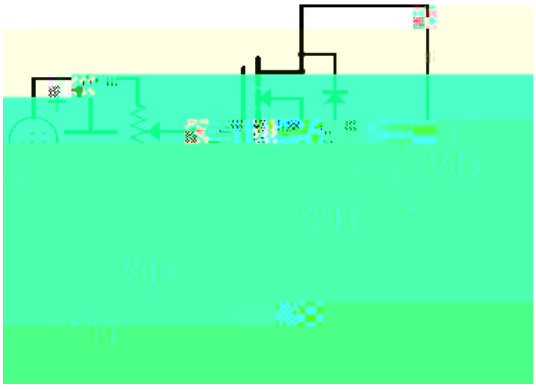

10
1
In descending order
D=0.5, 0.3, 0.1, 0.05, 0.02, 0.01, single pulse
$T_{J,PK}=T_A+P_{DM}\cdot Z_{\theta JA}$
$R_{\theta JA}$=83°C/W

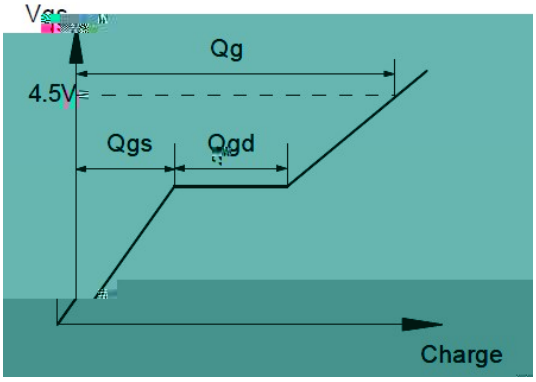

RL
Vds
Vgs
DUT
+

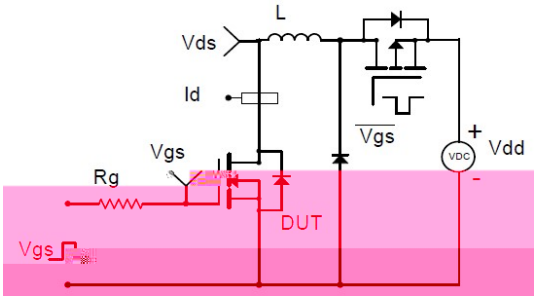

Vds
90%
10%

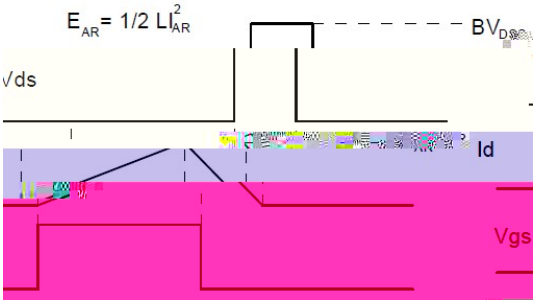

Vds +
DUT
Vds -
Isd
L
Vgs
Ig
VDC
+
Vdd
-


Vgs
Isd
Vdd
Vds




Qg
4.5V
Qgs
Qgd
Charge


L
Vds
Id
Vgs
Rg
DUT
Vgs
VDC
+
Vdd
-


Vds
Id
Vgs