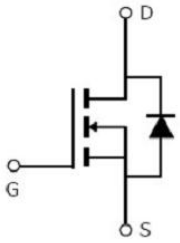
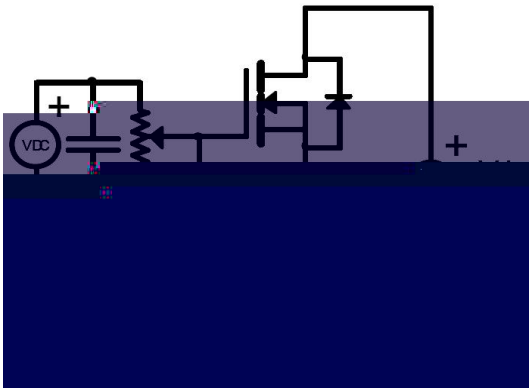
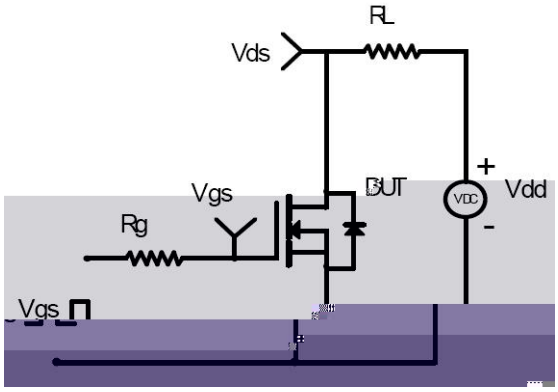
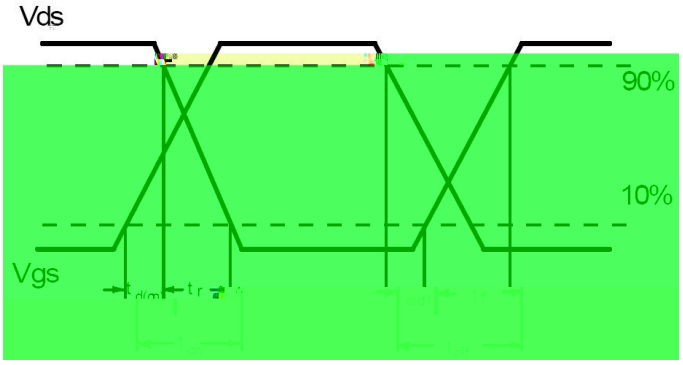

D
G
S

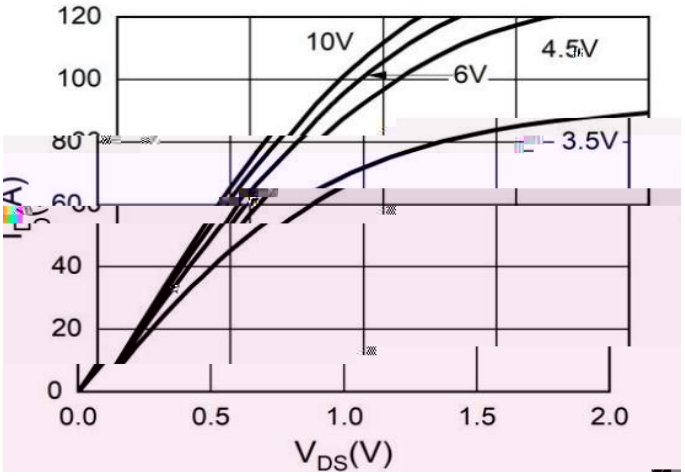
-
-
-
-
-

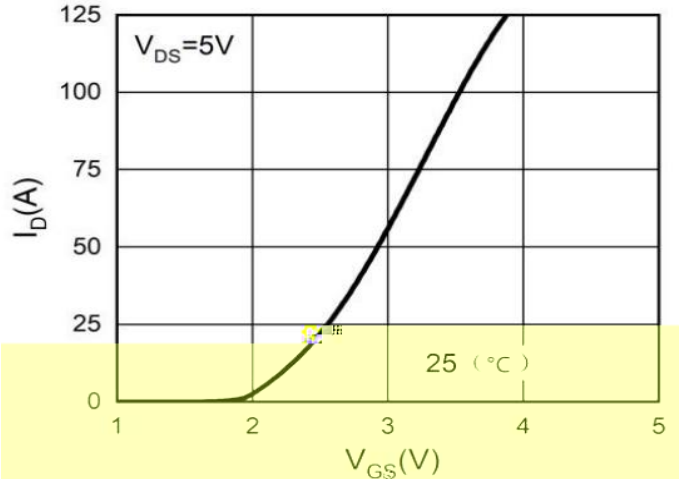
L

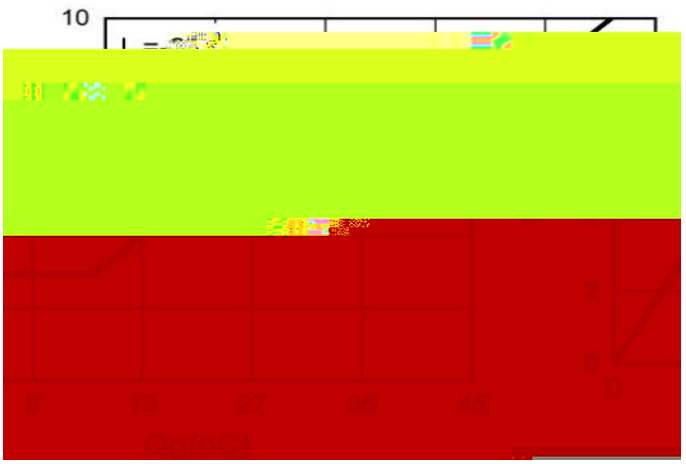

VDC
+
+

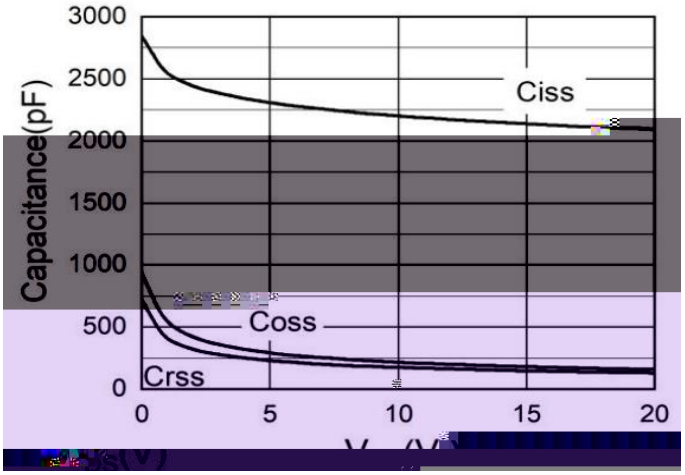

RL
Vds
Vgs
DUT
Vdd
Rg
VDC
+
-
Vgs

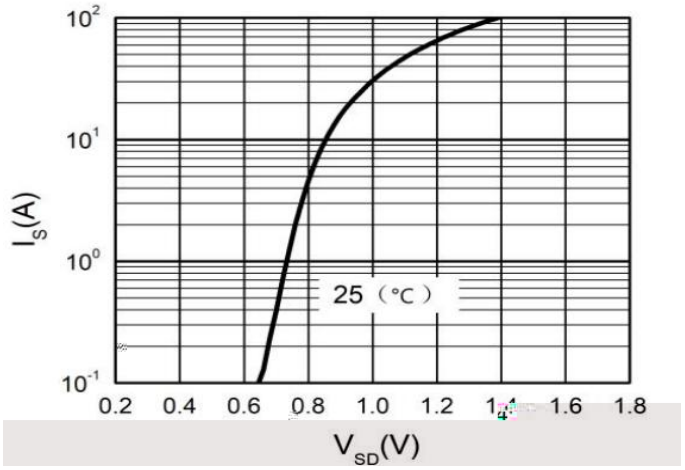

Vds
90%
10%
Vgs

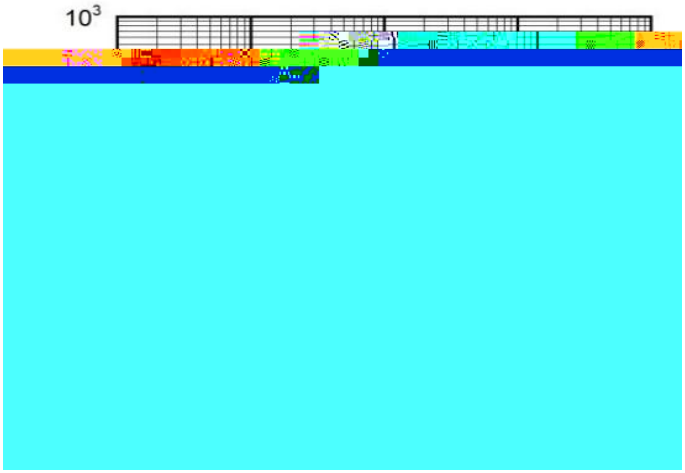

10V
6V
4.5V
3.5V
120
100
80
60
40
20
0
0.0
0.5
1.0
1.5
2.0
V_{DS}(V)


V_{DS}=5V
125
100
75
50
25
0
I_D(A)
25 (°C)
1
2
3
4
5
V_{GS}(V)


10


3000
2500
2000
1500
1000
500
0
Capacitance(pF)
Ciss
Coss
Crss
0
5
10
15
20


10^2
10^1
10^0
10^{-1}
I_S(A)
25 (°C)
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
V_{SD}(V)


10^3