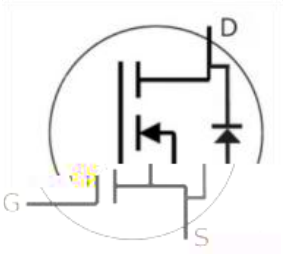
D
G
S

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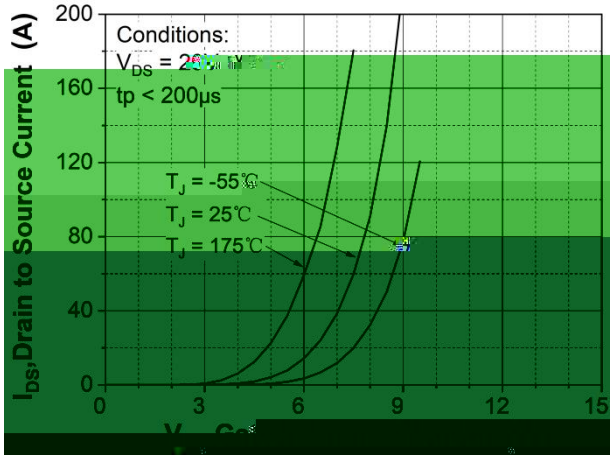
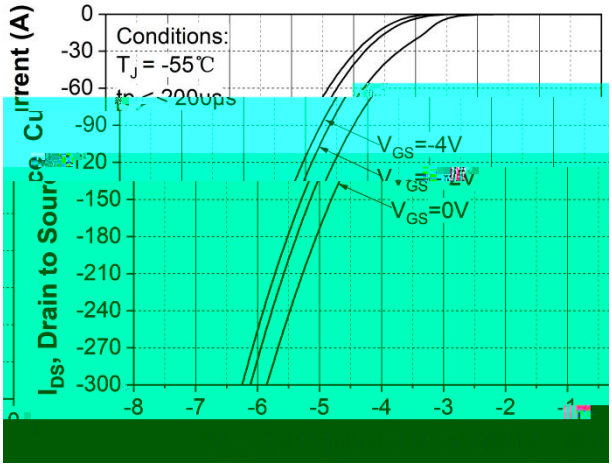
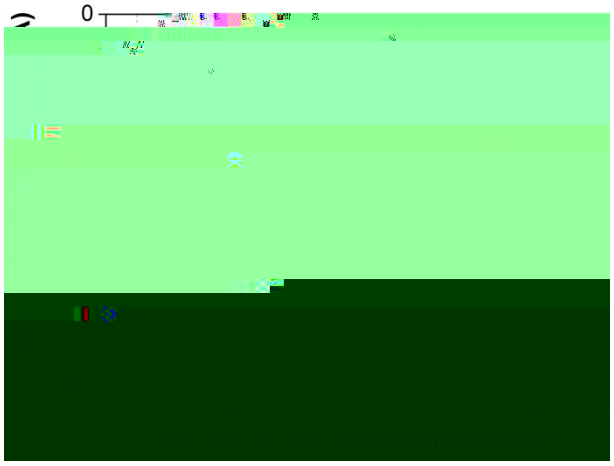
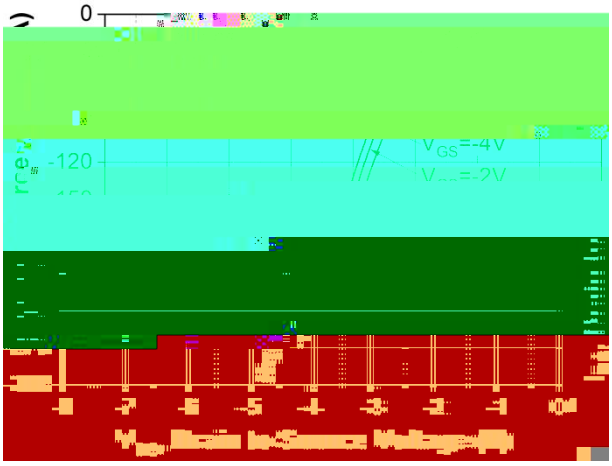
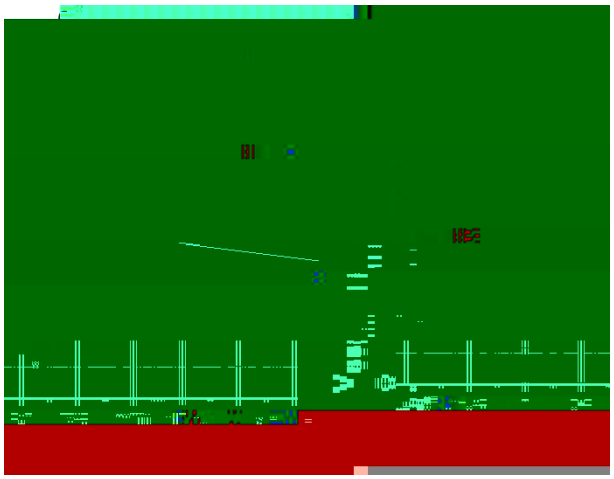
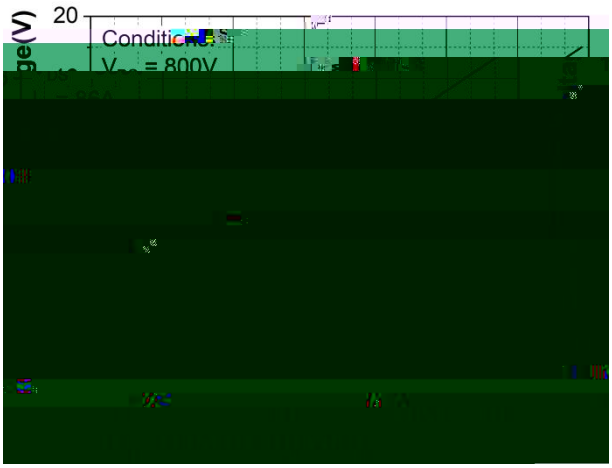

Conditions:
tp < 200μs
T_J = -55℃
T_J = 25℃
T_J = 175℃
I_{DS},Drain to Source Current (A)
200
160
120
80
40
0
0
3
6
9
12
15

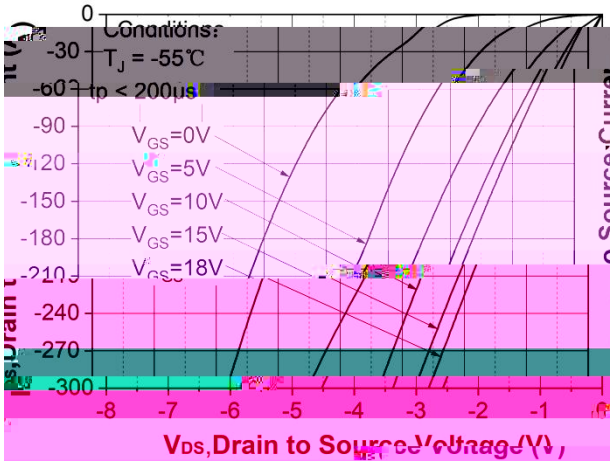

Conditions:
T_J = -55℃
V_{GS}=-4V
V_{GS}=0V
I_{DS}, Drain to Source Current (A)
0
-30
-60
-90
-120
-150
-180
-210
-240
-270
-300
-8
-7
-6
-5
-4
-3
-2

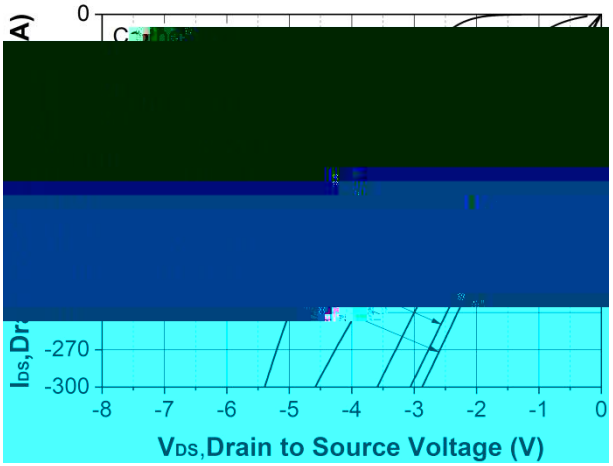


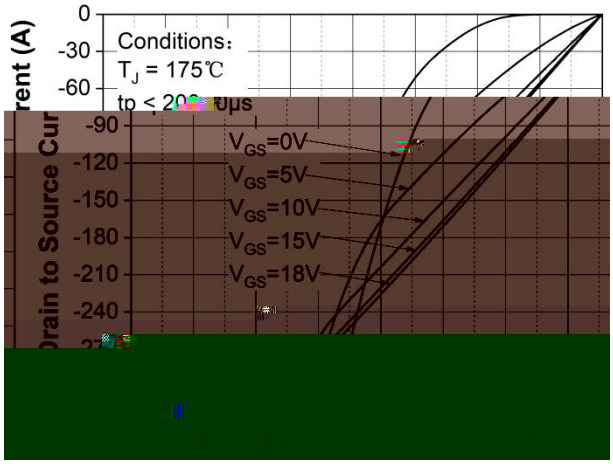


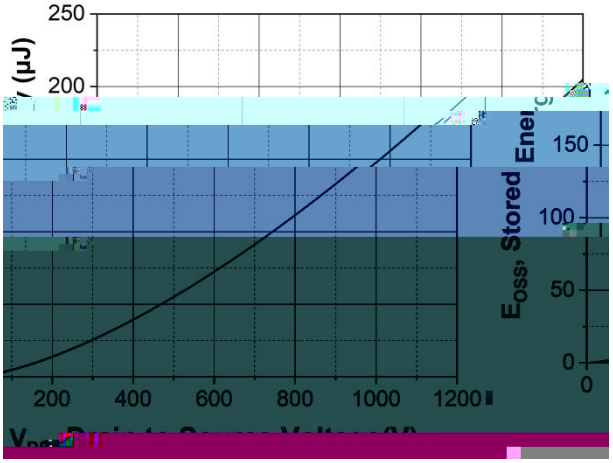


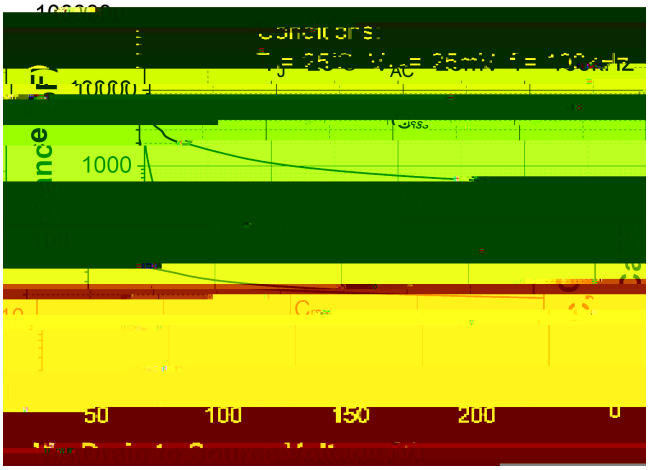

20

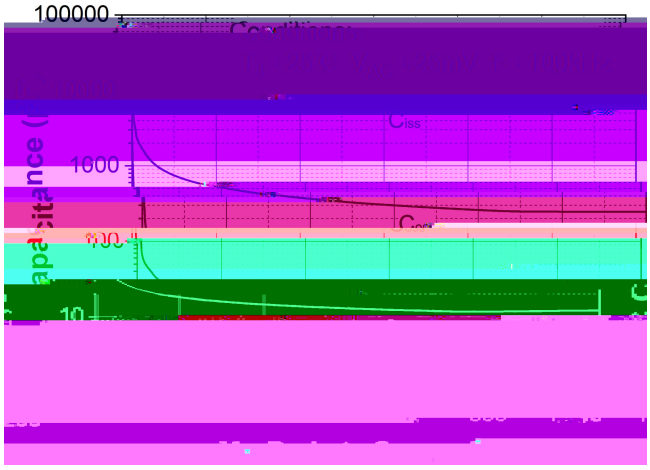

Conditions:
T_J = -55℃
tp < 200μs
V_{GS}=0V
V_{GS}=5V
V_{GS}=10V
V_{GS}=15V
V_{GS}=18V
0
-30
-60
-90
-120
-150
-180
-210
-240
-270
-300
-8
-7
-6
-5
-4
-3
-2
-1
0
V_{DS},Drain to Source Voltage (V)


0
-270
-300
-8
-7
-6
-5
-4
-3
-2
-1
0
V_{DS},Drain to Source Voltage (V)


Conditions:
T_J = 175℃
tp < 200μs
V_{GS}=0V
V_{GS}=5V
V_{GS}=10V
V_{GS}=15V
V_{GS}=18V
0
-30
-60
-90
-120
-150
-180
-210
-240


250
200
150
100
50
0
200
400
600
800
1000
1200


100000
1000
50
100
150
200


100000
1000
10

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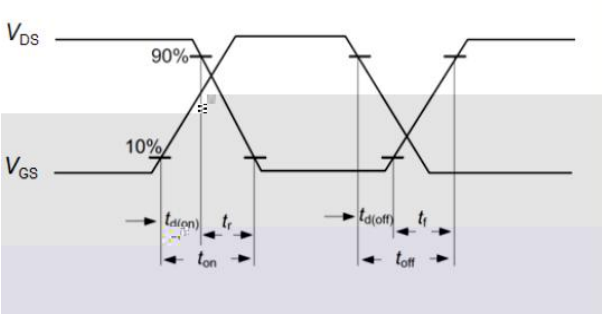
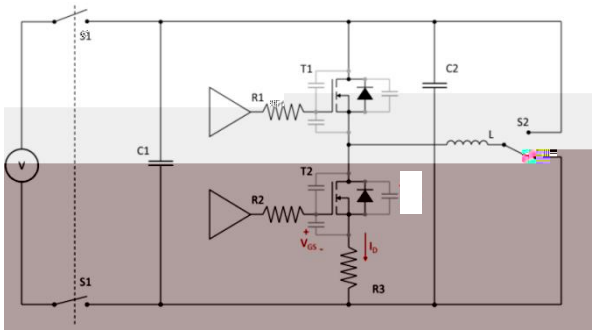

V_{DS}
90%
10%
V_{GS}
$t_{d(on)}$
t_r
t_{on}
$t_{d(off)}$
t_f
t_{off}


S1
T1
C2
R1
S2
L
C1
V
T2
R2
V_{GS}
I_D
R3
S1

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