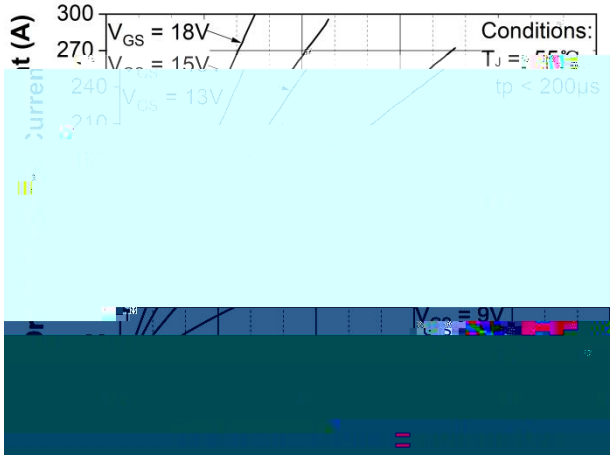
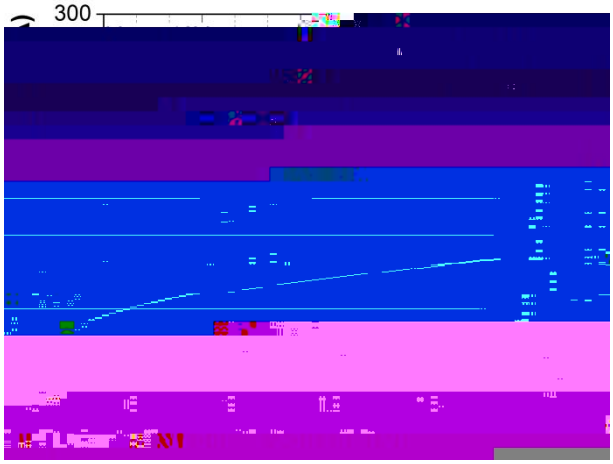
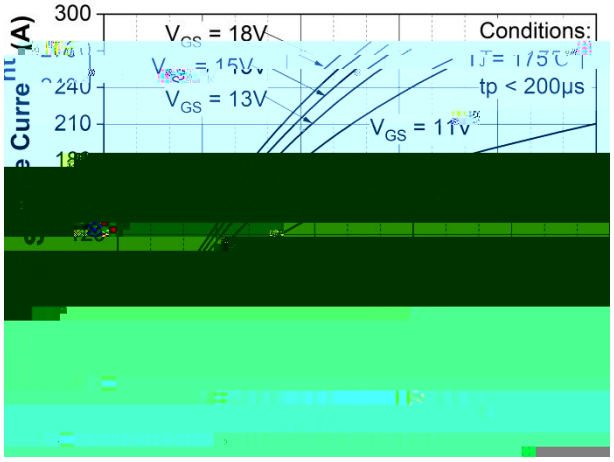
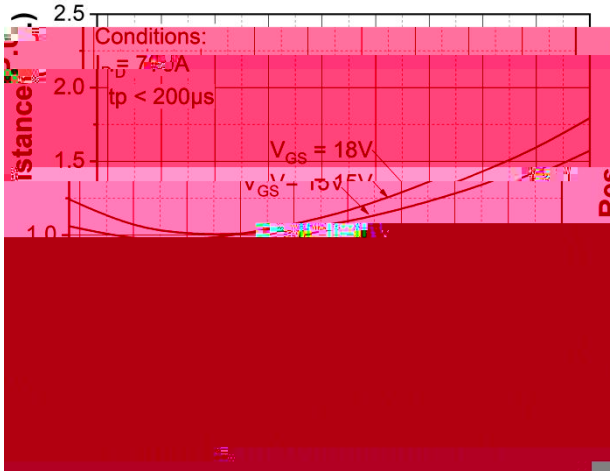
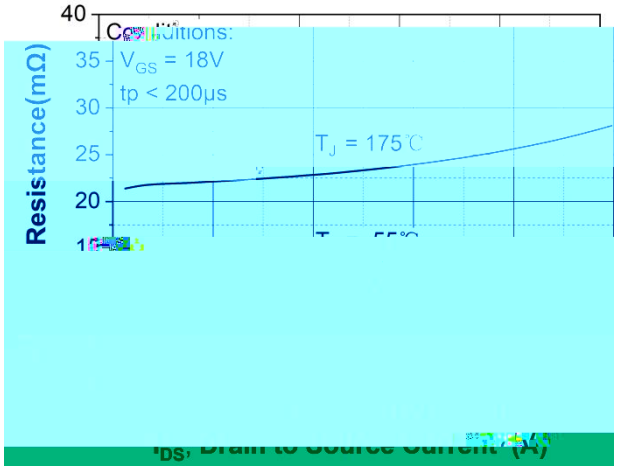
				≤	

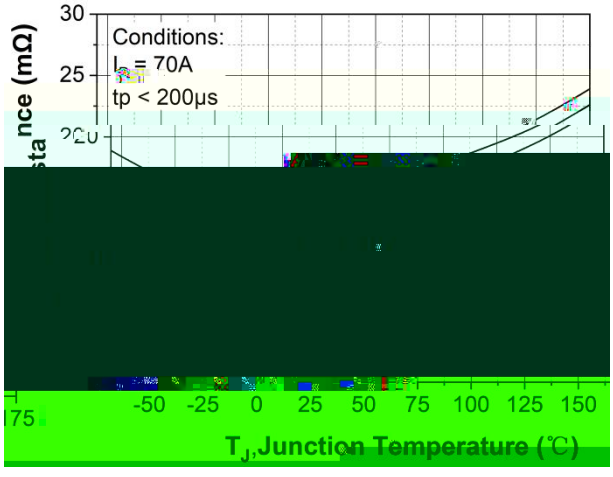

300
270
240
210
Conditions:
tp < 200µs
V_{GS} = 13V
V_{GS} = 9V

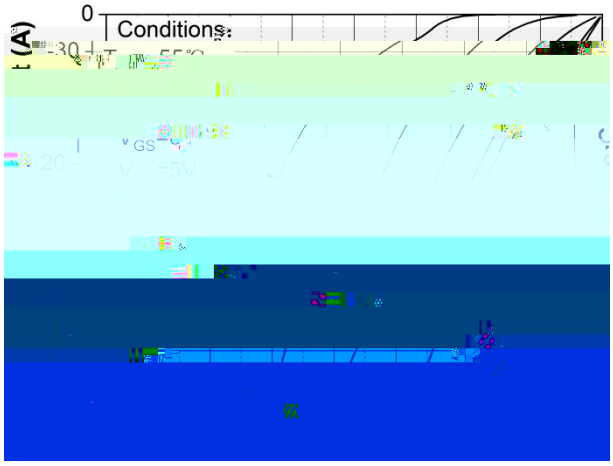

300

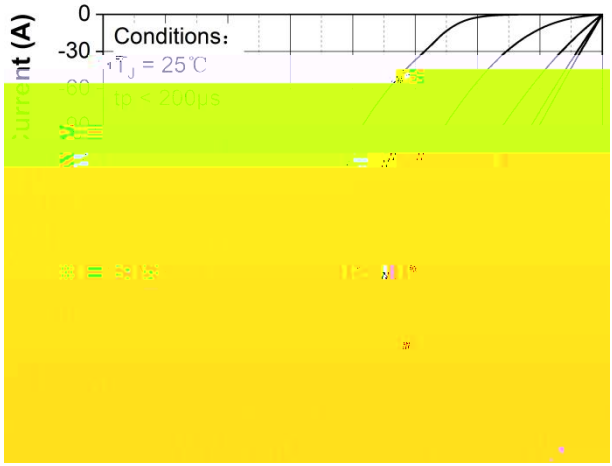

300
240
210
V_{GS} = 18V
V_{GS} = 15V
V_{GS} = 13V
V_{GS} = 11V
Conditions:
tp < 200µs

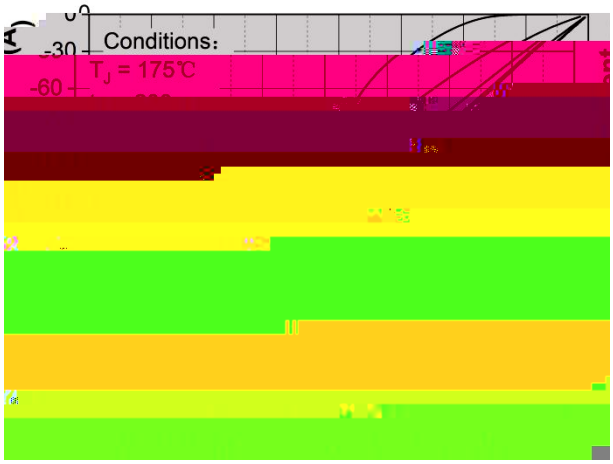

2.5
2.0
1.5
Conditions:
tp < 200µs
V_{GS} = 18V

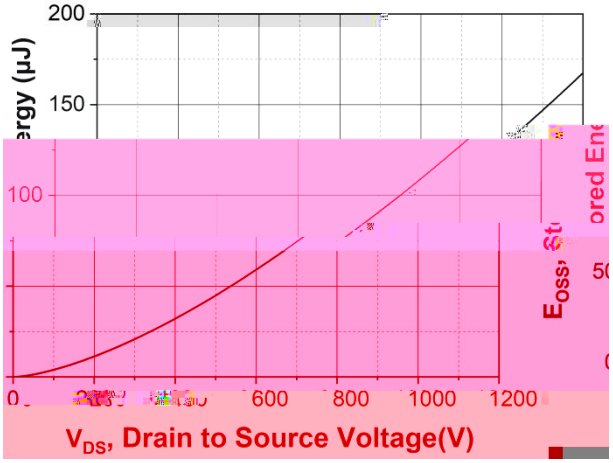

40
35
30
25
20
Resistance(mΩ)
Conditions:
V_{GS} = 18V
tp < 200µs
T_J = 175℃

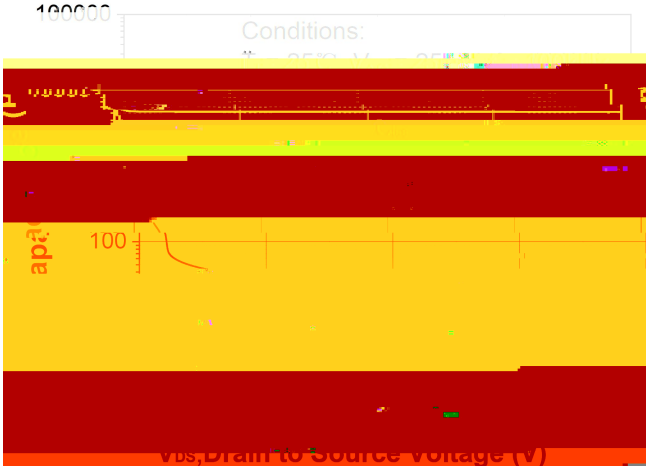

30
25
Conditions:
tp < 200µs
-50 -25 0 25 50 75 100 125 150
T_J,Junction Temperature (℃)

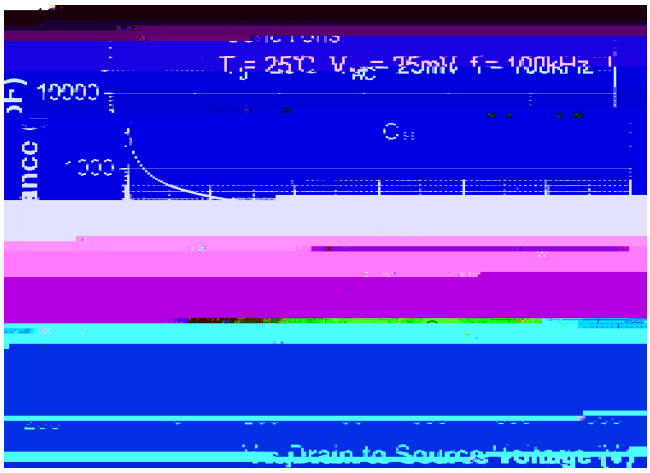

Conditions:
0
-30

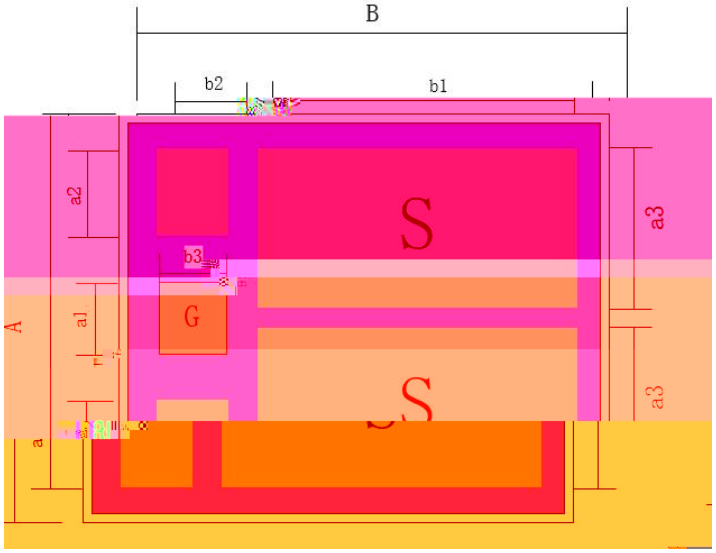

Conditions:
T_J = 25℃
tp < 200μs
0
-30

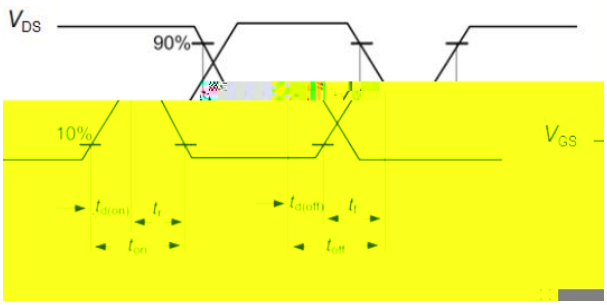

Conditions:
T_J = 175℃
-30
-60

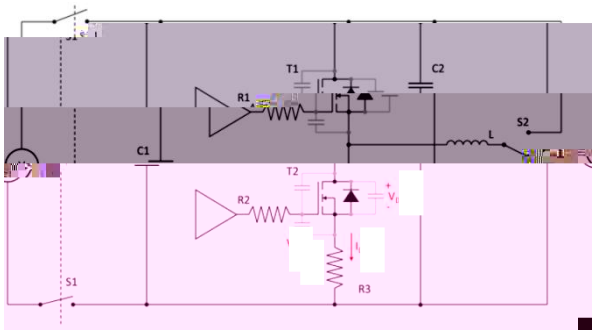

200
150
100
600
800
1000
1200
V_{DS}, Drain to Source Voltage(V)

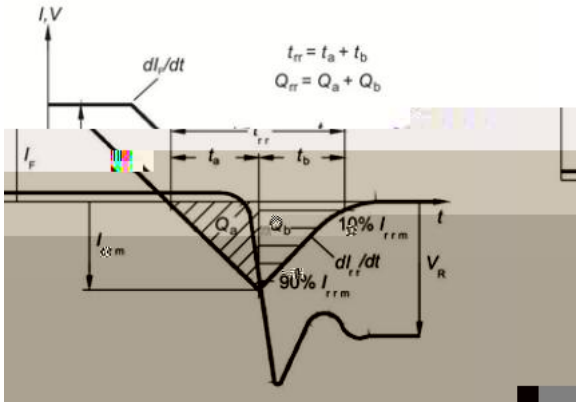

Conditions:
100
V_{DS},Drain to Source Voltage (V)


T_J= 25℃ V_{AC}= 25mV f= 100kHz
10000
1000
C_{oss}
Drain to Source Voltage (V)


B
b2
b1
a2
a3
b3
S
G
S
A
a1
a3
a


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


T1
C2
R1
S2
L
C1
T2
R2
R3
S1


I,V
dI_F/dt
$t_{rr} = t_a + t_b$
$Q_{rr} = Q_a + Q_b$
I_F
t_a
t_b
Q_a
Q_b
10% I_{rrm}
I_{rrm}
dI_{rr}/dt
90% I_{rrm}
V_R
t

			——