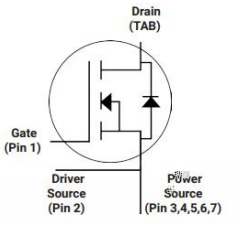
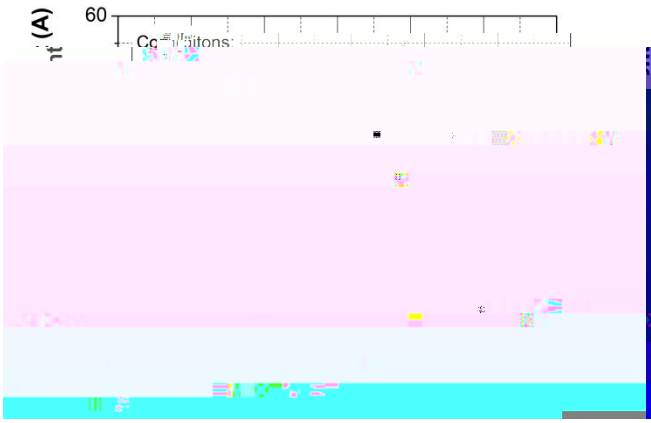
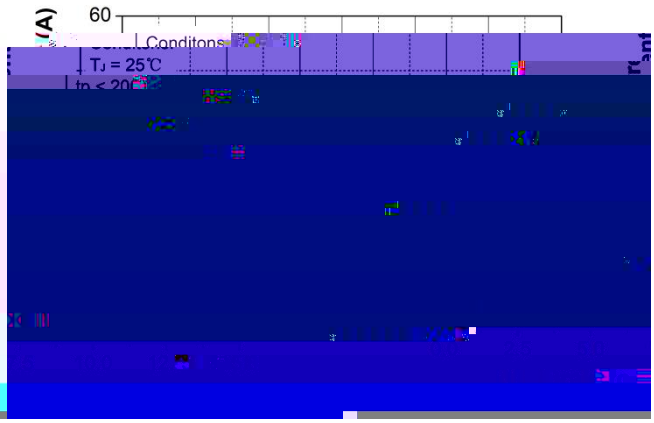
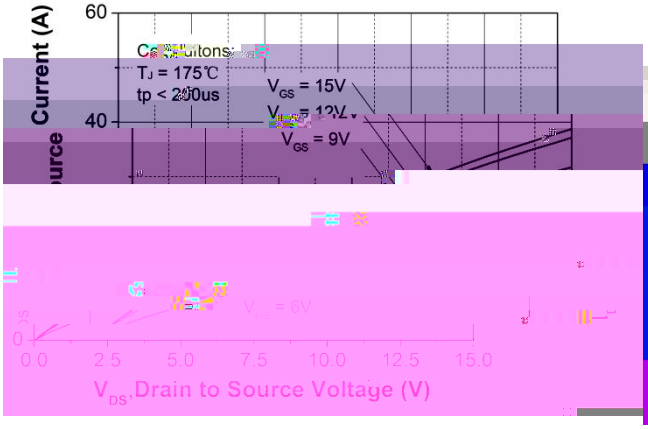
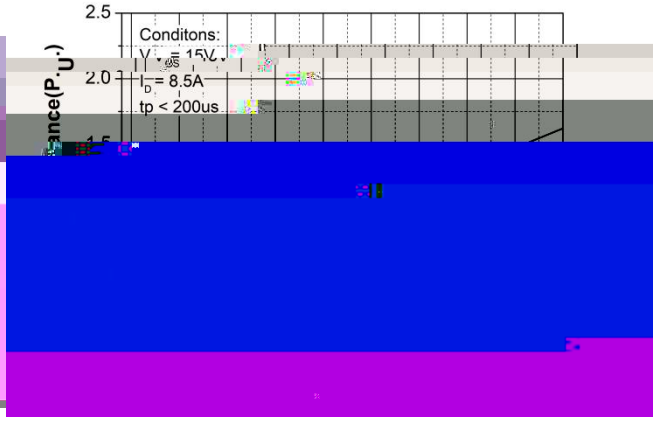

1 2 3 4 5 6 7

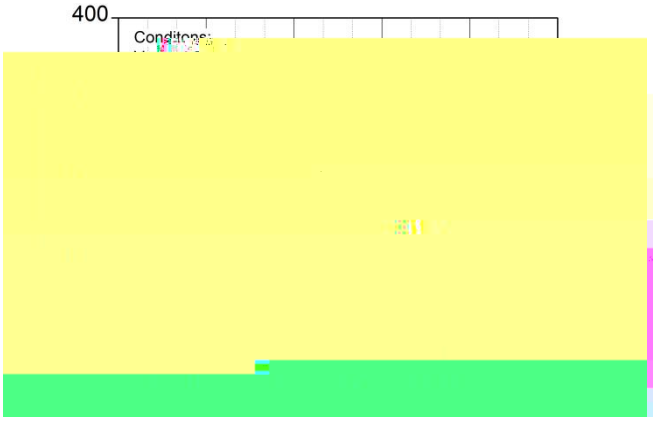

Drain
(TAB)
Gate
(Pin 1)
Driver
Source
(Pin 2)
Power
Source
(Pin 3,4,5,6,7)

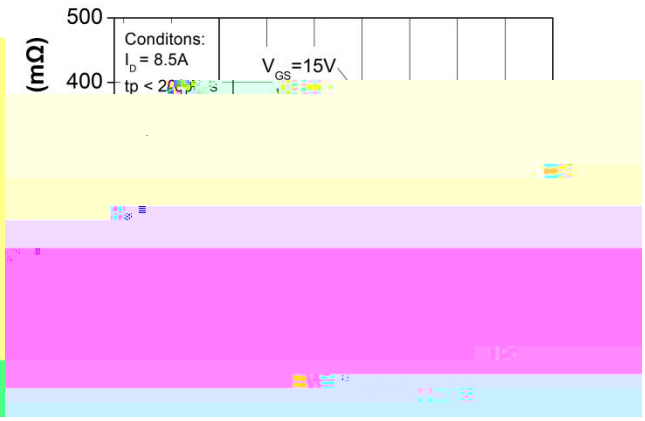


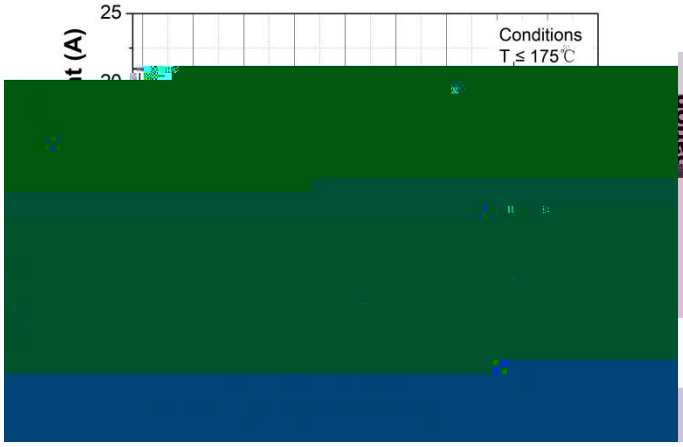

60
Conditons:
TJ = 25℃

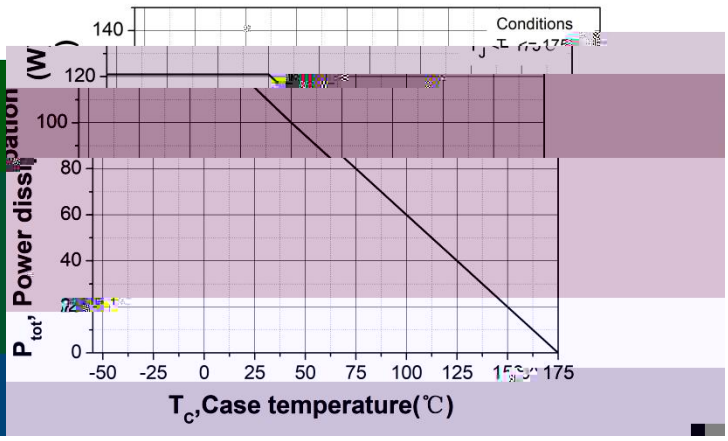

60
40
Conditons:
TJ = 175℃
tp < 200us
VGS = 15V
VGS = 12V
VGS = 9V
VGS = 6V
0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
VDS,Drain to Source Voltage (V)

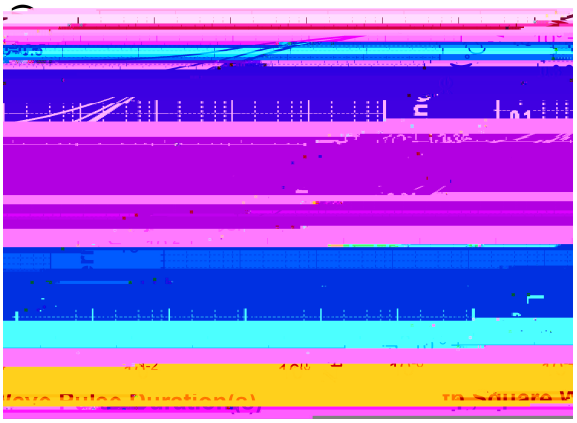

2.5
2.0
Conditons:
VGS = 15V
ID = 8.5A
tp < 200us

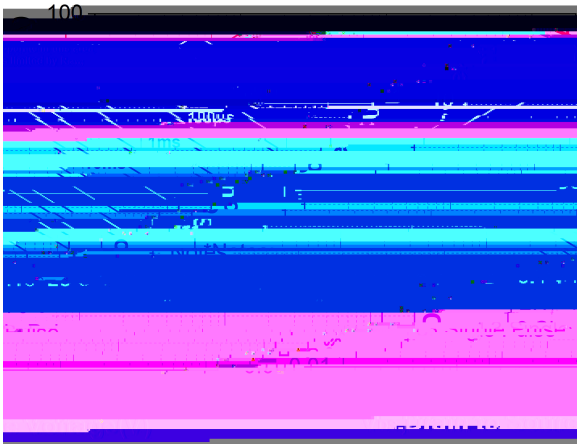

400
Conditons:

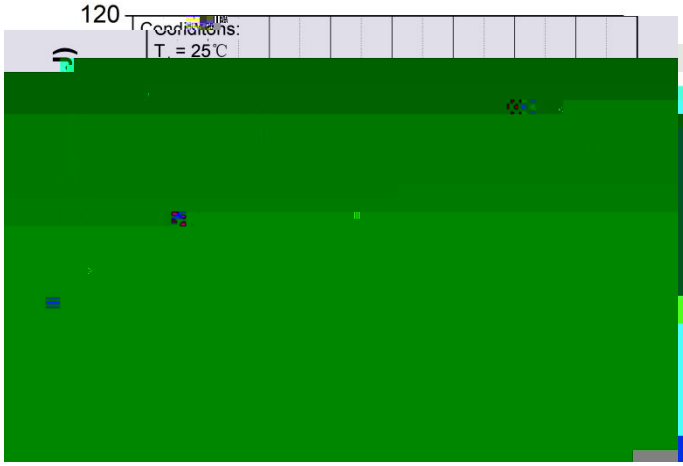

500
400
(mΩ)
Conditons:
ID = 8.5A
VGS=15V

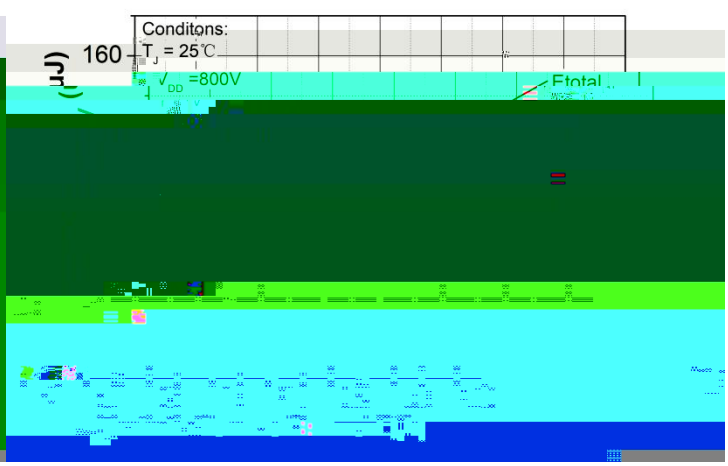

25
Conditions
T ≤ 175℃

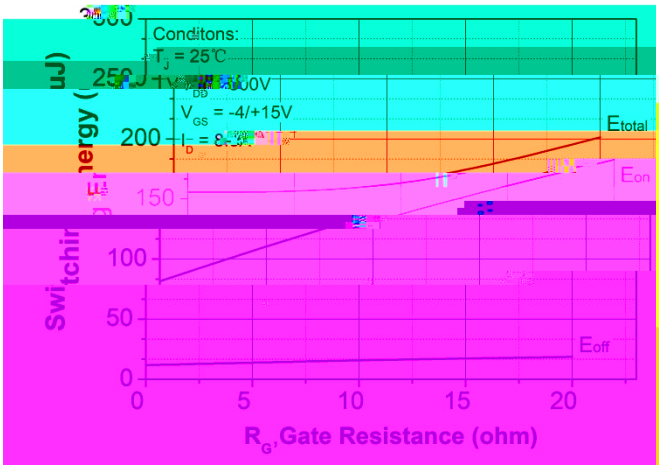

140
120
100
80
60
40
0
Conditions
Power dissipation
P tot'
-50 -25 0 25 50 75 100 125 175
T c,Case temperature(℃)

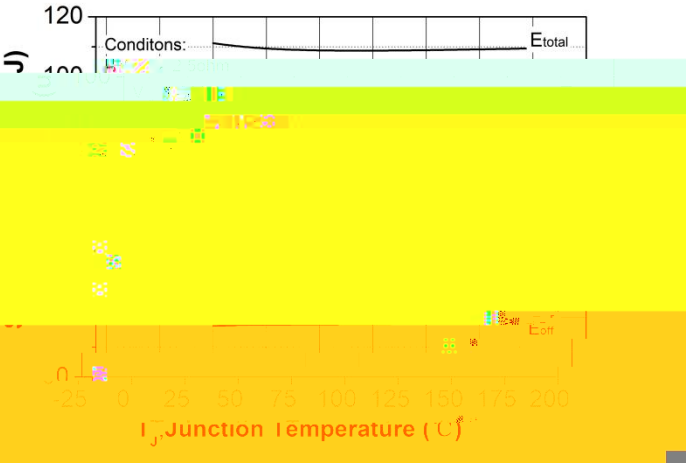


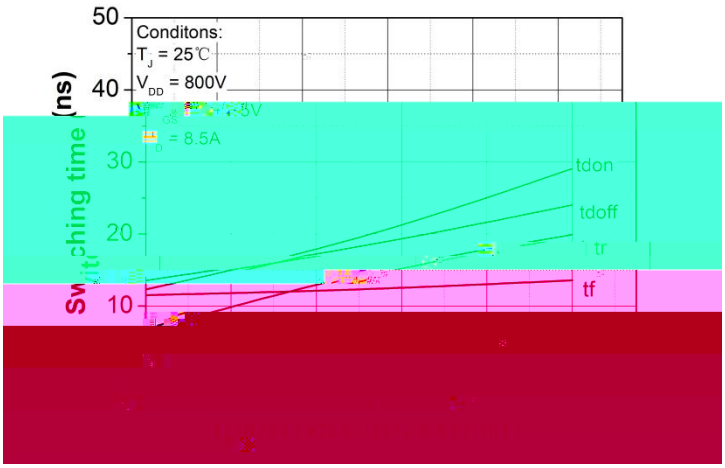

100
1ms

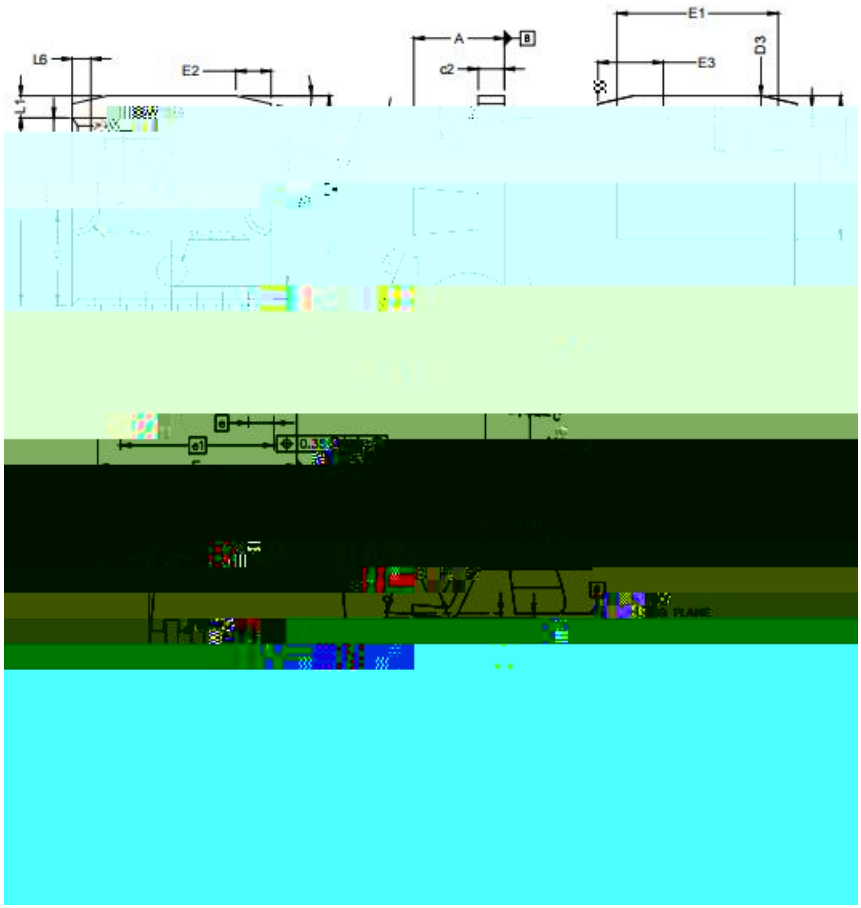

120
Conditions:
T J = 25℃


Conditions:
160
T J = 25℃
V DD =800V
Etotal

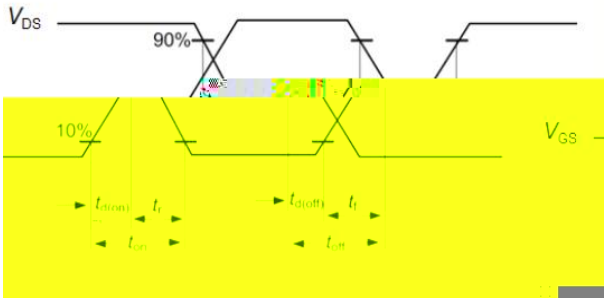

Conditons:
T_J = 25℃
V_{DD} = 800V
V_{GS} = -4/+15V
I_D = 8.5A
Etotal
Eon
Eoff
Switching Energy (uJ)
R_G,Gate Resistance (ohm)

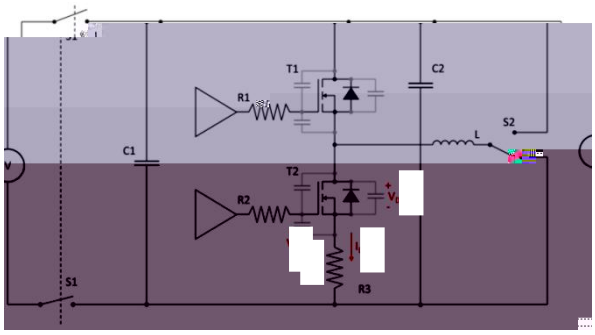

Conditons:
Etotal
Eoff
T_J,Junction Temperature (℃)

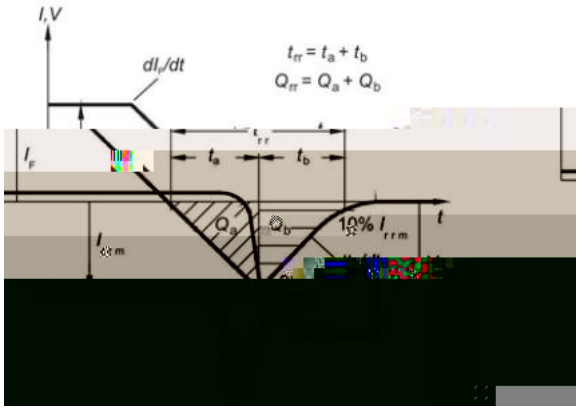

Conditons:
T_J = 25℃
V_{DD} = 800V
I_D = 8.5A
tdon
tdoff
tr
tf
Switching time (ns)



SYMBOL	MIN	MAX	SYMBOL	MIN	MAX
A	4.30	4.70	L	1.78	2.79
A1					
b3	0.60	0.75	L6	0.93BSC	
c	0.45	0.60	H	14.61	16.88
	0.45	0.55			
c2					


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}
t

		——	——
		——	——
		——	——
		——	——
		——	——
			——