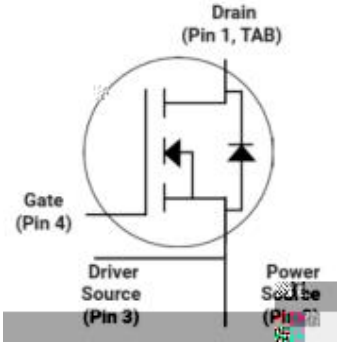
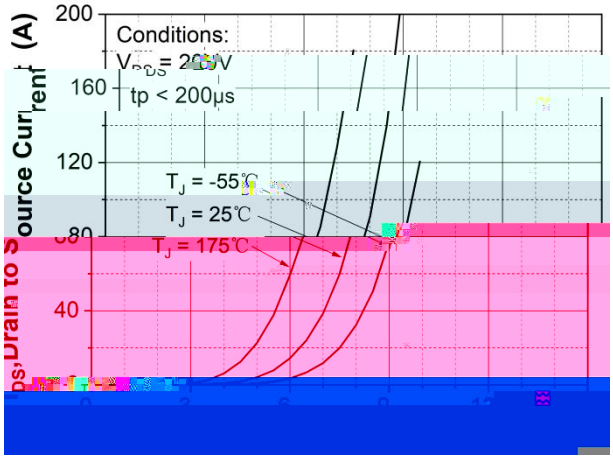
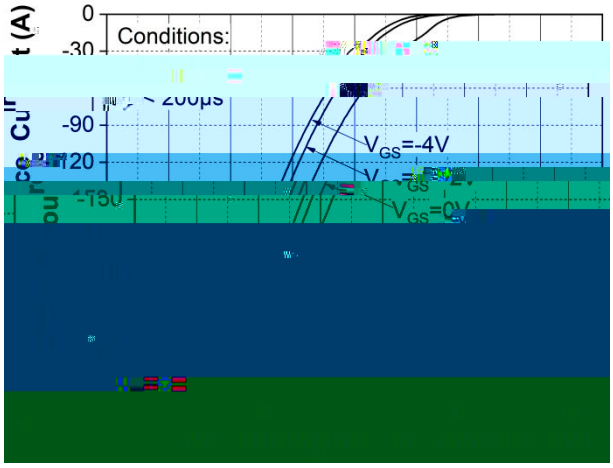
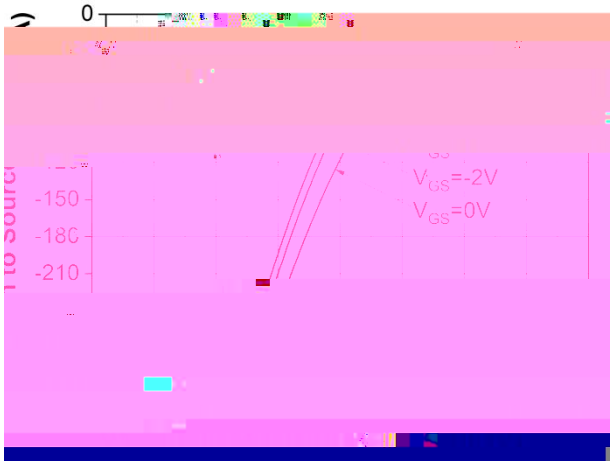
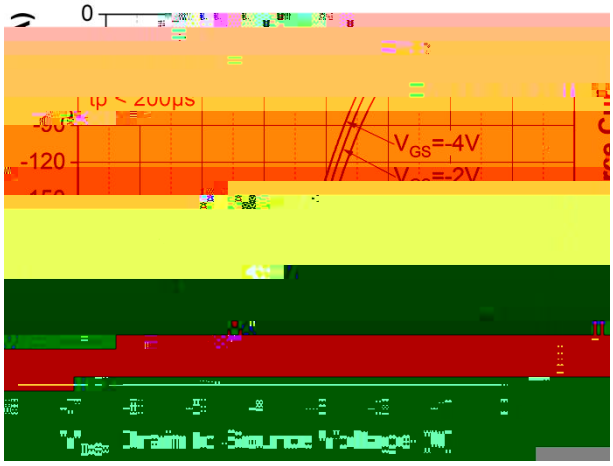


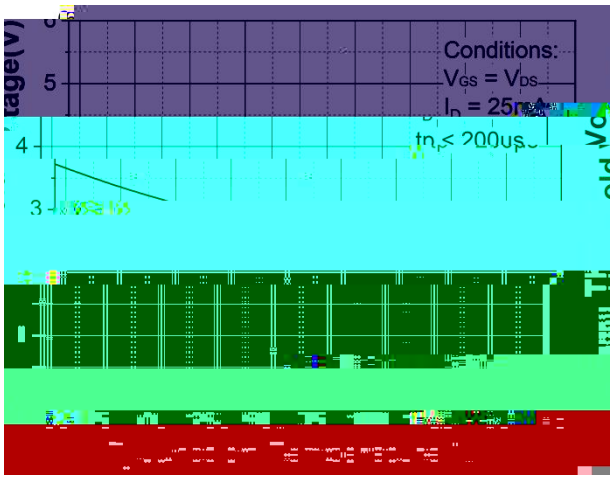

Drain
(Pin 1, TAB)
Gate
(Pin 4)
Driver
Source
(Pin 3)
Power

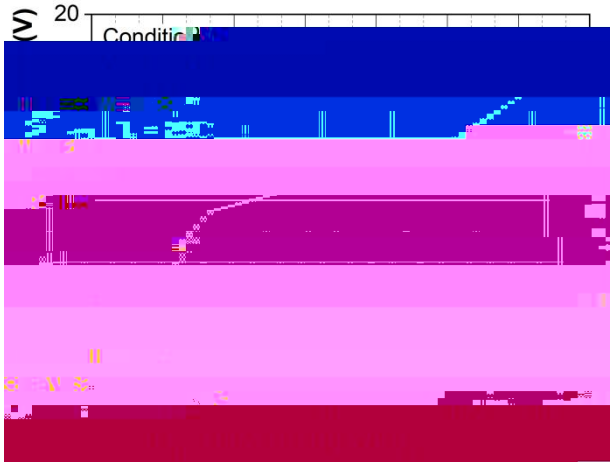

Conditions:
tp < 200μs
T_J = -55℃
T_J = 25℃
T_J = 175℃
200
160
120
80
40

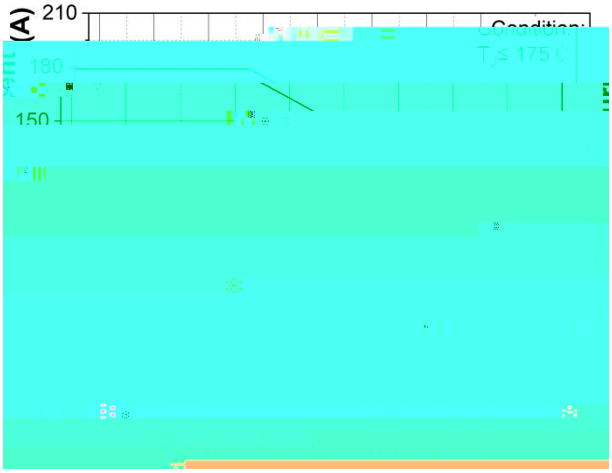

Conditions:
V_GS=-4V
V_GS=-2V
V_GS=0V
0
-30
-90
-120
-150

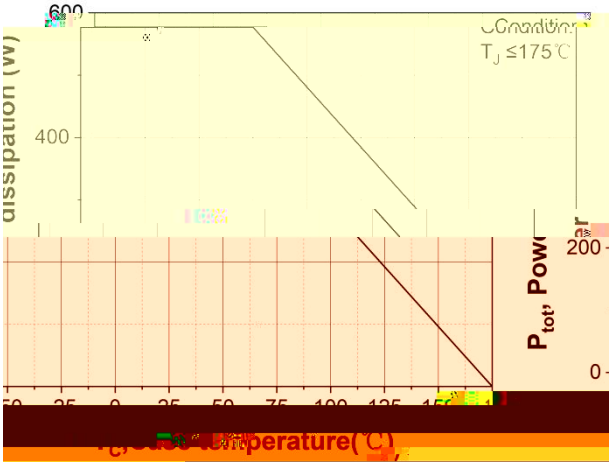

V_GS=-2V
V_GS=0V
0
-150
-180
-210

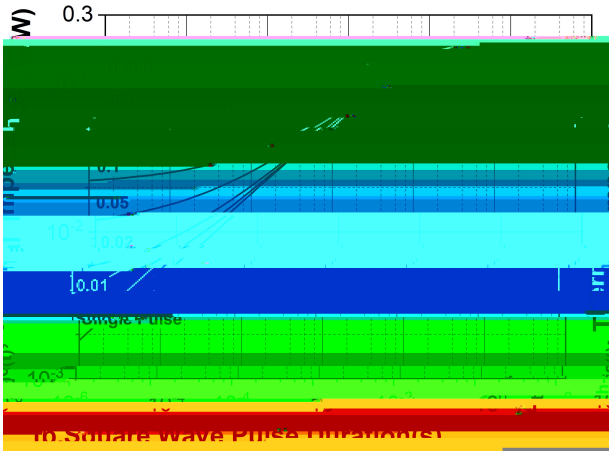

V_GS=-4V
0
-120

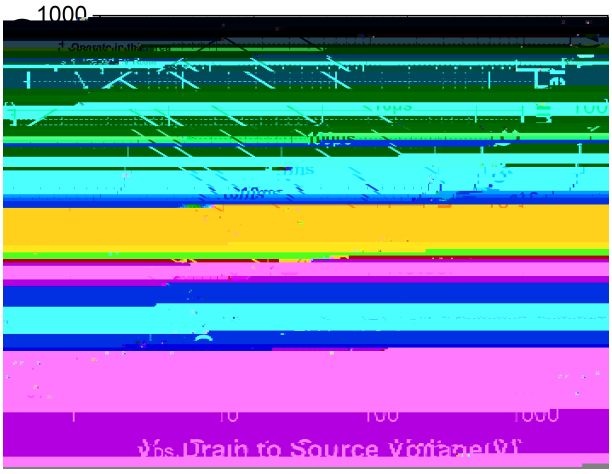

Conditions:
V_GS = V_DS
5
4
3

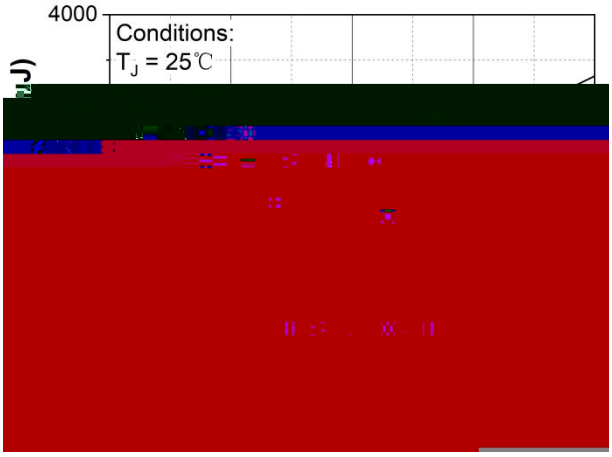

20

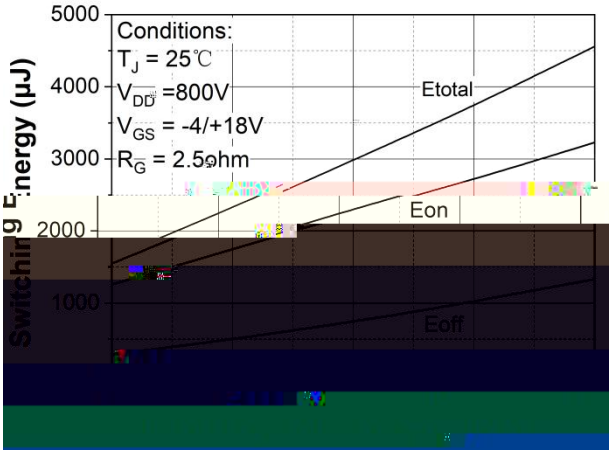

(A)
210
180
150
Condition:
T_J ≤ 175℃

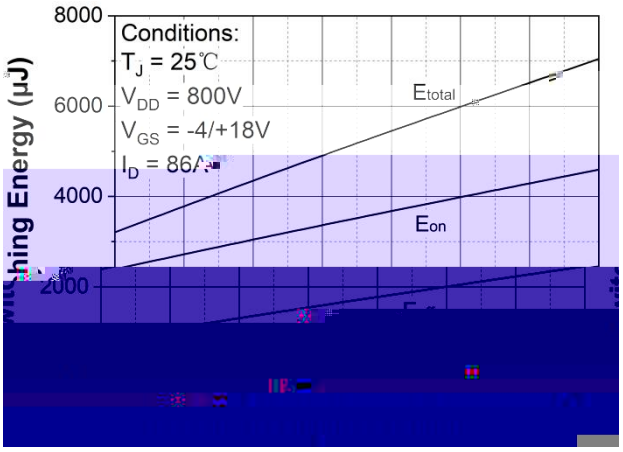

600
400
200
0
Conditions:
T_J ≤175℃
P_tot, Power
Temperature(℃)

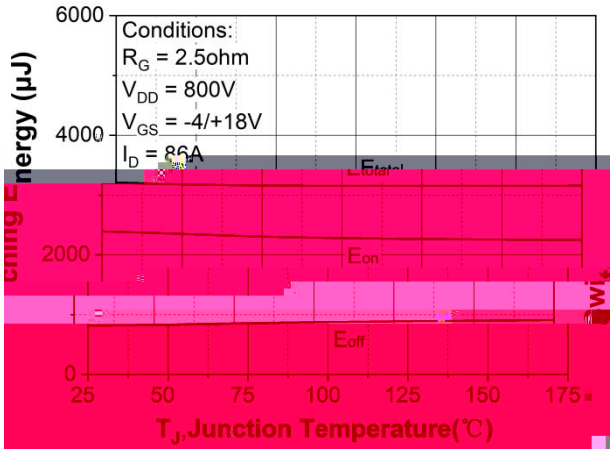

0.3
0.05
0.01
Single Pulse

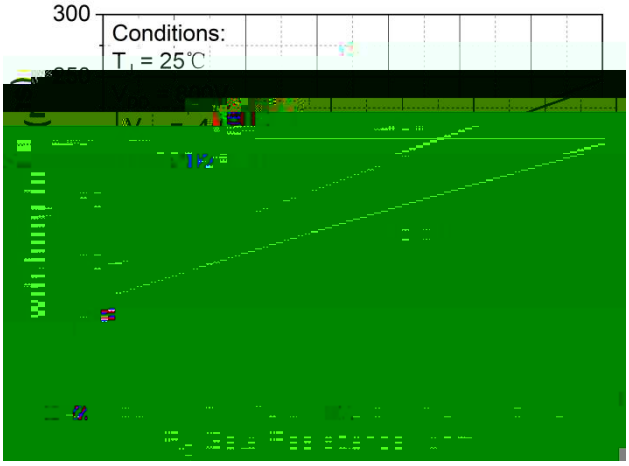

1000
100
10
1
Drain to Source Voltage(V)

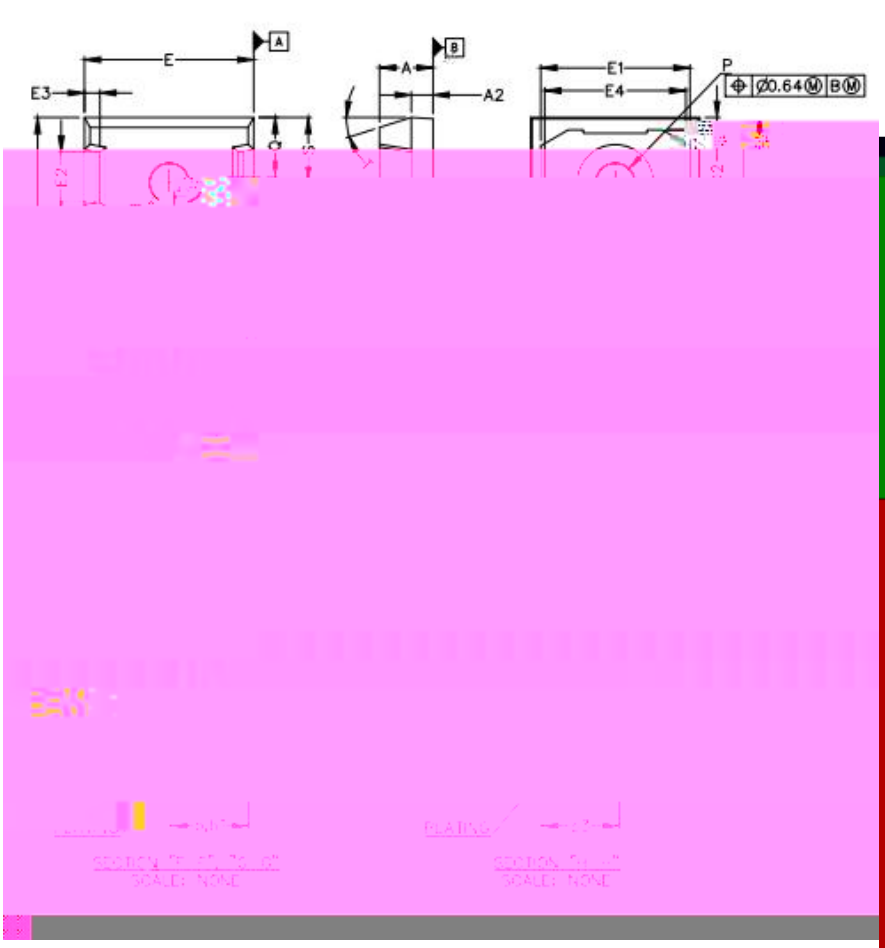

4000
Conditions:
T_J = 25℃


5000
4000
3000
2000
1000
Conditions:
T_J = 25℃
V_DD =800V
V_GS = -4/+18V
R_G = 2.5ohm
Etotal
Eon
Eoff
Switching Energy (μJ)


8000
6000
4000
2000
Conditions:
T_J = 25℃
V_{DD} = 800V
V_{GS} = -4/+18V
I_D = 86A
Etotal
Eon

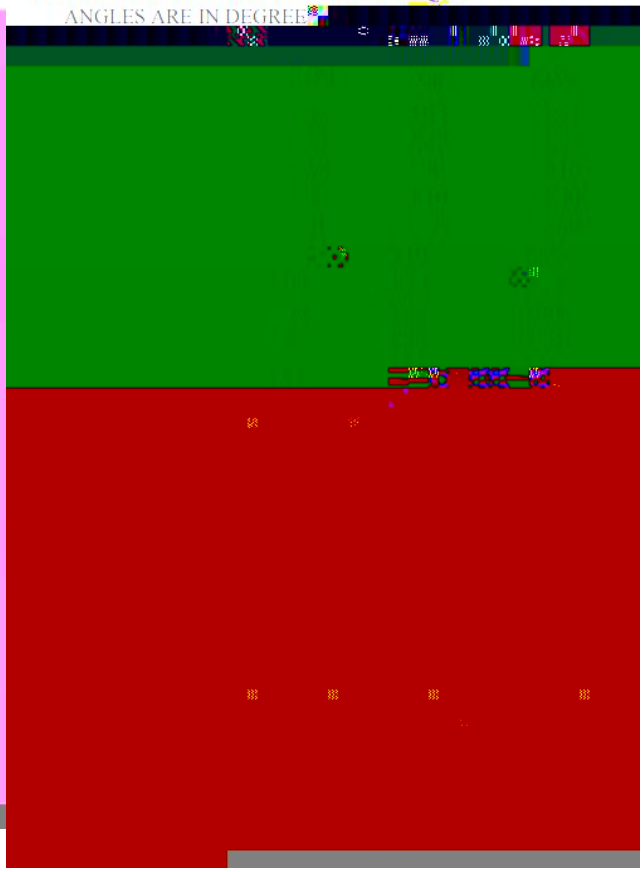

6000
4000
2000
0
Conditions:
R_G = 2.5ohm
V_{DD} = 800V
V_{GS} = -4/+18V
I_D = 86A
Eon
Eoff
25
50
75
100
125
150
175
T_J,Junction Temperature(℃)

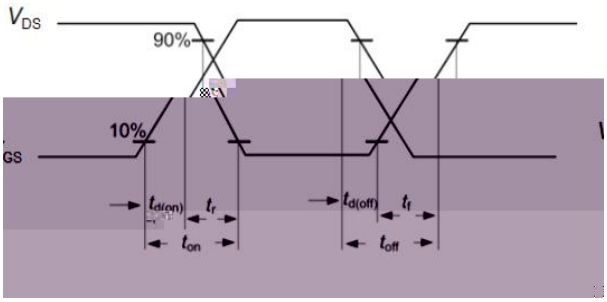

300
Conditions:
T_J = 25℃

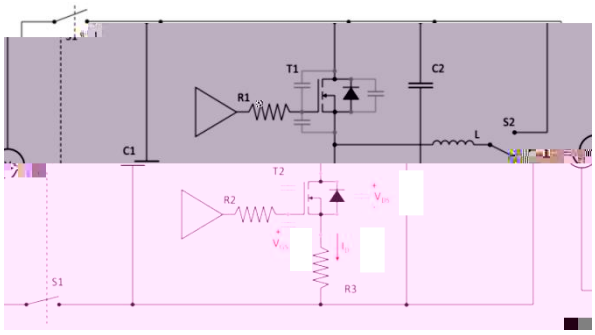


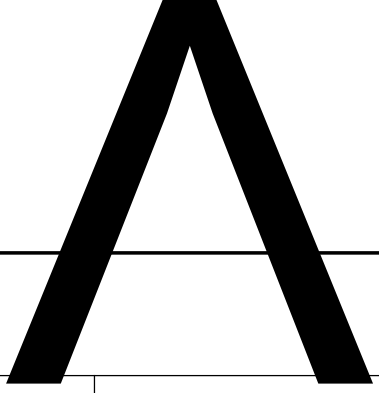
NOTE ;

1. ALL METAL SURFACES: TIN PLATED,EXCEPT AREA OF CUT
2. DIMENSIONING & TOLERANCEING CONFIRM TO ASME Y14.5M-1994.
3. ALL DIMENSIONS ARE IN MILLIMETER.
   ANGLES ARE IN DEGREE.




V_{DS}
90%
10%
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



			——

R ñIB`ñ3 •” 5” D

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