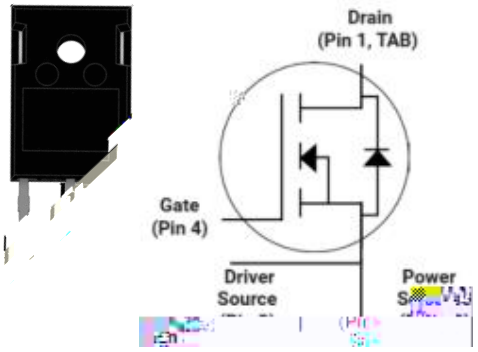
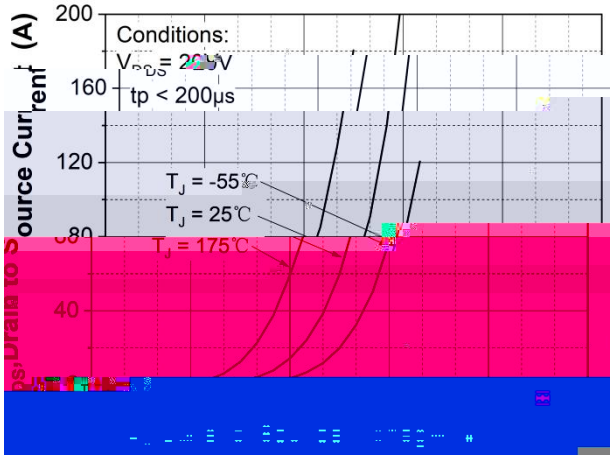
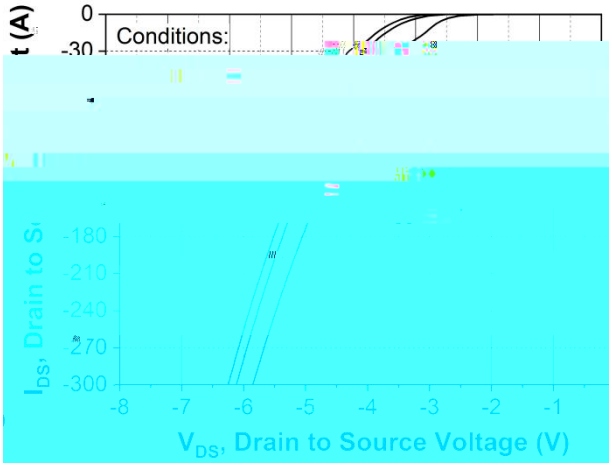
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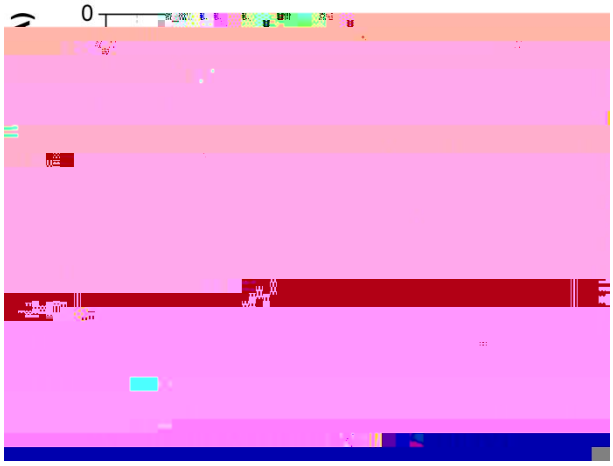

Drain
(Pin 1, TAB)
Gate
(Pin 4)
Driver
Source
Power

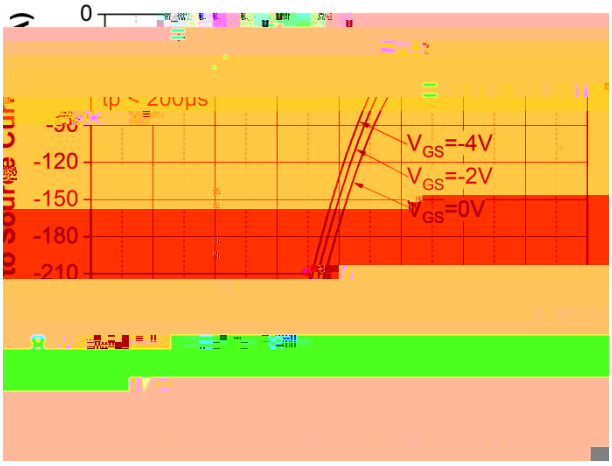
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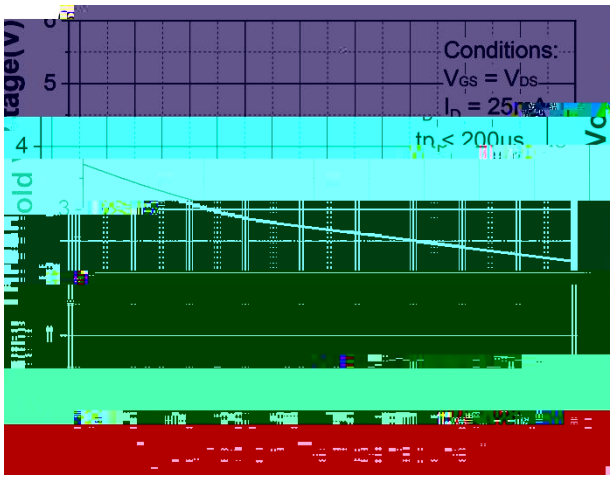
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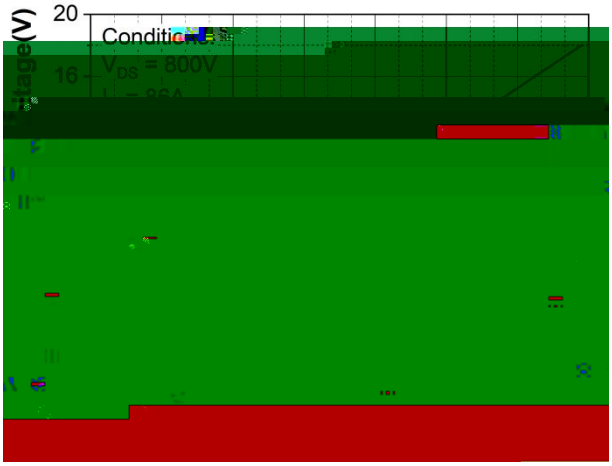

Conditions:
tp < 200μs
160
120
80
40
T_J = -55℃
T_J = 25℃
T_J = 175℃

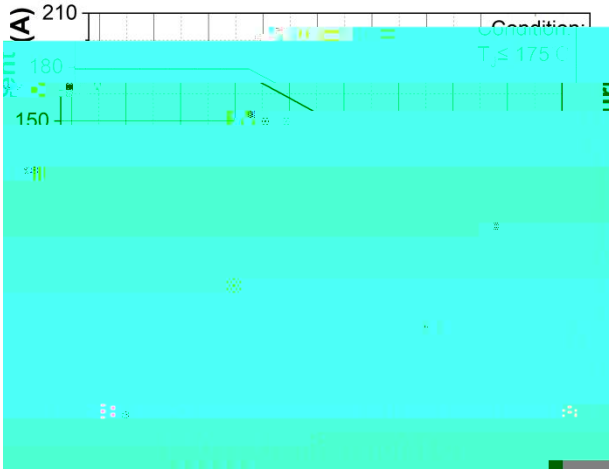

Conditions:
0
-30
-180
-210
-240
-270
-300
-8
-7
-6
-5
-4
-3
-2
-1
V_{DS}, Drain to Source Voltage (V)

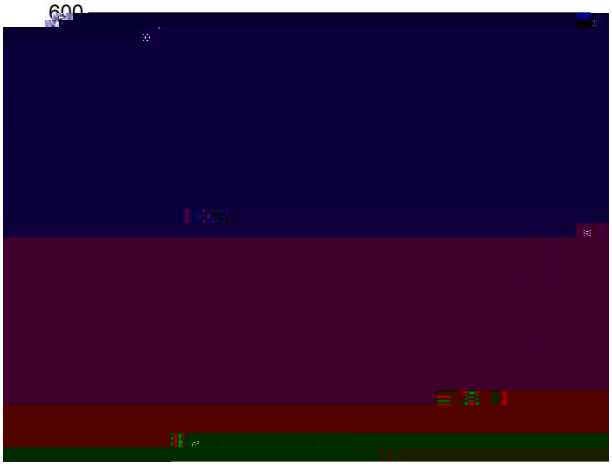

0

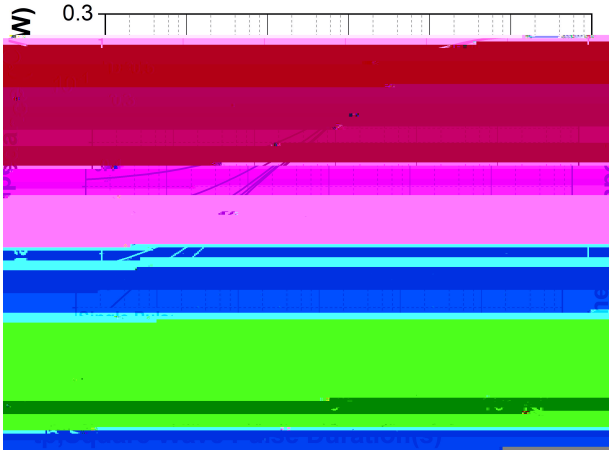

0
-90
-120
-150
-180
-210
V_{GS}=-4V
V_{GS}=-2V
V_{GS}=0V

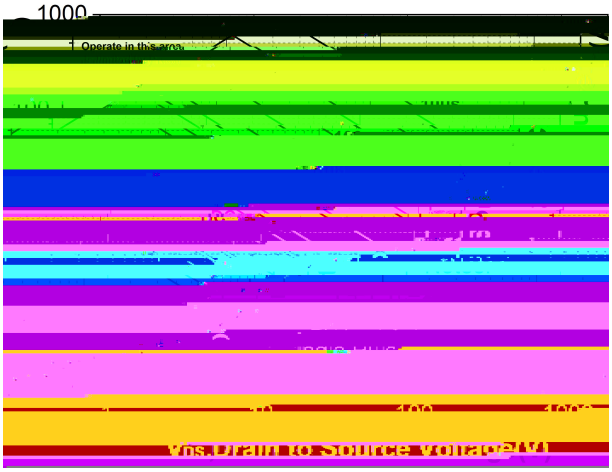

Conditions:
V_{GS} = V_{DS}
5
4

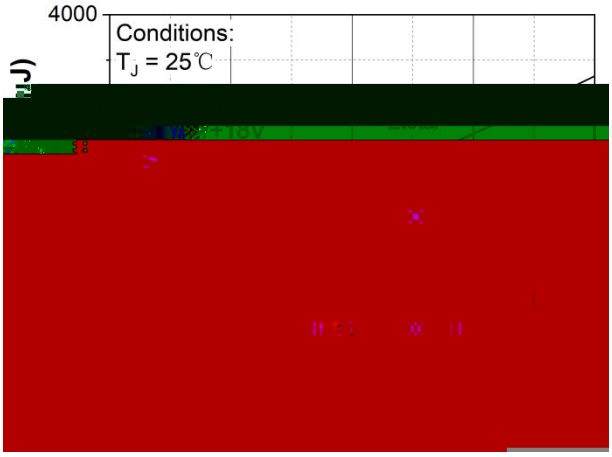

20
16

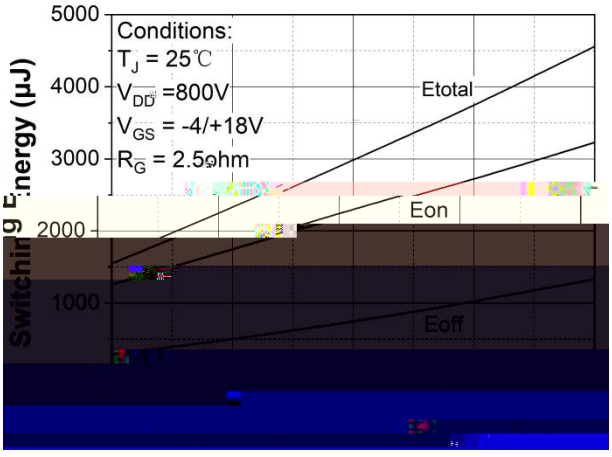

(A)
210
180
150
Conditions:
T_J ≤ 175℃

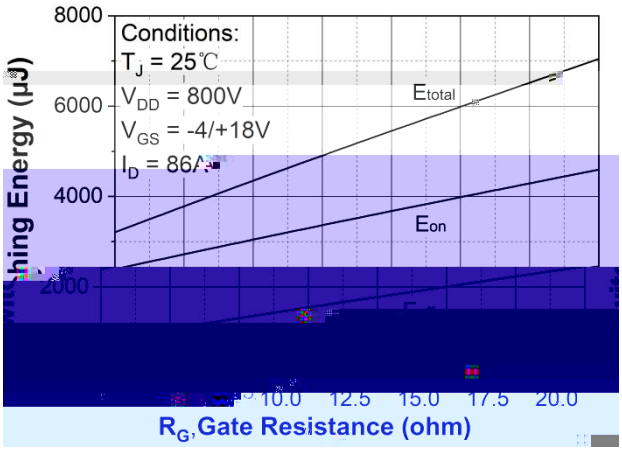

600

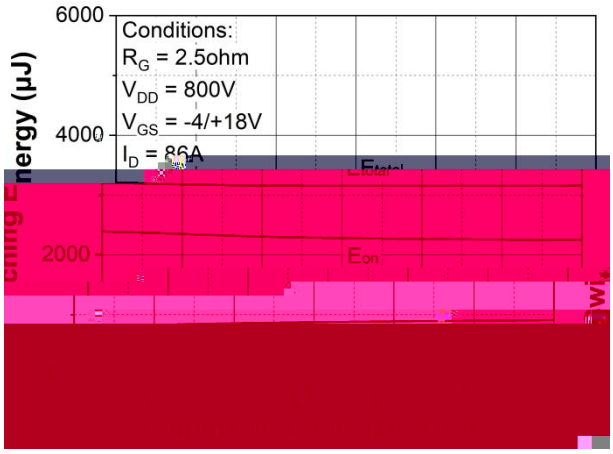

(W)
0.3

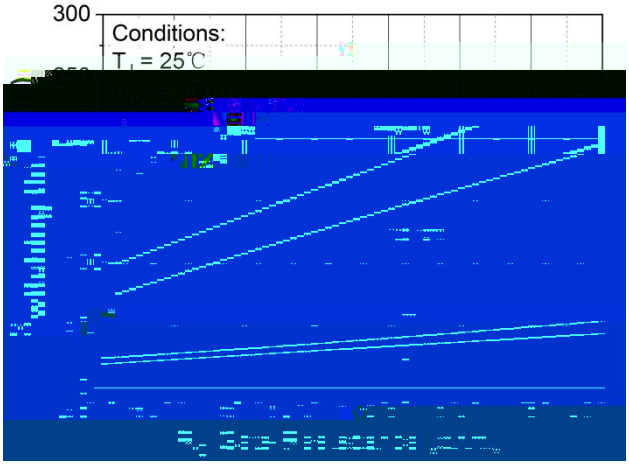

1000
Operate in this area
100
Vds,Drain to Source Voltage(V)

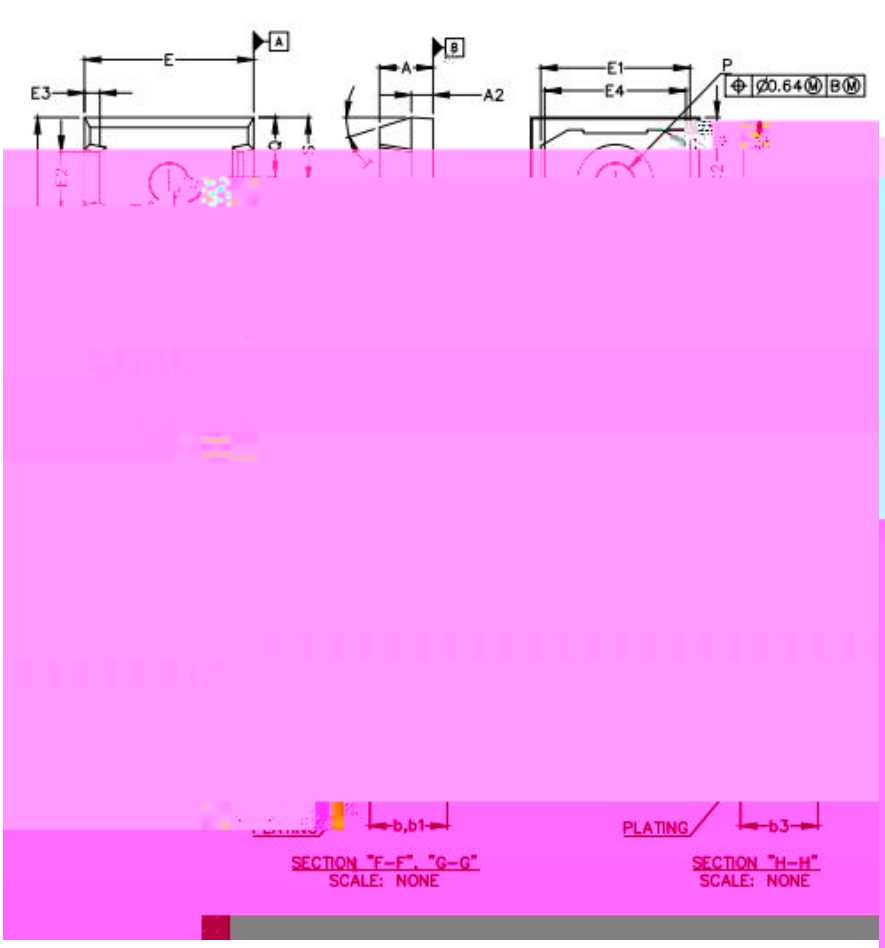

(μJ)
4000
Conditions:
T_J = 25℃


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


8000
6000
4000
2000
Conditions:
T_J = 25℃
V_{DD} = 800V
V_{GS} = -4/+18V
I_D = 86A
Etotal
Eon
10.0
12.5
15.0
17.5
20.0
R_G,Gate Resistance (ohm)


6000
4000
2000
Conditions:
R_G = 2.5ohm
V_{DD} = 800V
V_{GS} = -4/+18V
I_D = 86A
Eon

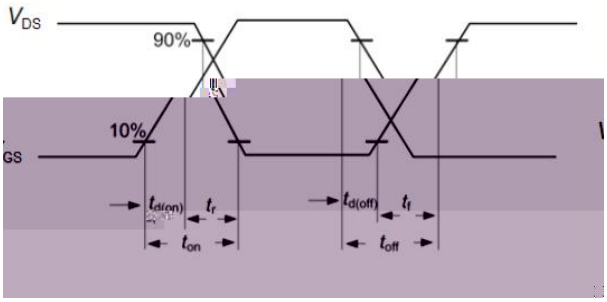

300
Conditions:
T_J = 25℃

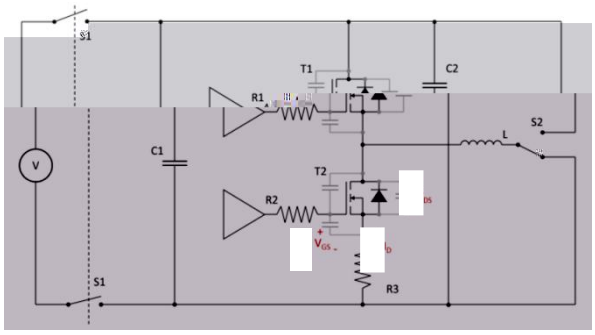


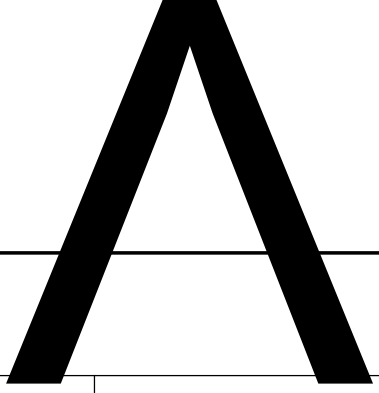
NOTE ;

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

MILLIMETERS		
	MIN.	MAX.
A	2.20	2.40
A1	1.80	2.10
A2	1.40	1.60
b	1.10	1.25
b3	1.34	1.64
b4	0.65	0.80
c	0.55	0.68
c1	0.55	0.65
D	20.80	21.10
D1	16.15	17.65
D2	0.95	1.35
E	15.70	16.13
E1	13.10	14.15
E2	4.32	5.10
E3	1.00	2.60
E4	12.38	13.50
e1	5.08 BSC	
e2	2.79 BSC	
e3	2.54 BSC	
L	19.72	20.32
L1	3.97	4.37
ø P	3.51	3.70
Q	5.49	6.00
S	6.04	6.30


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


S1
T1
C2
R1
S2
L
V
C1
T2
R2
S1
R3



			——

R ñIB`ñ3 •” 5” D

&@