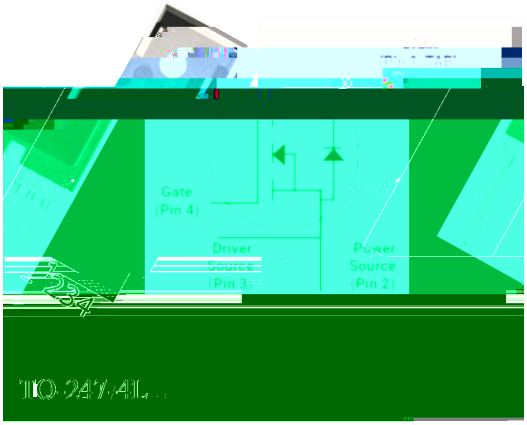
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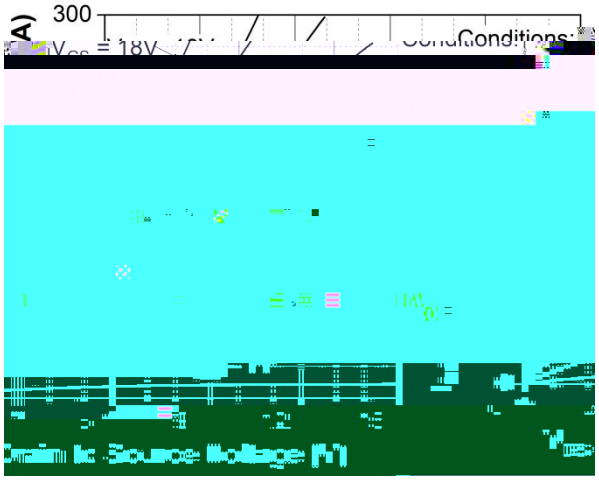


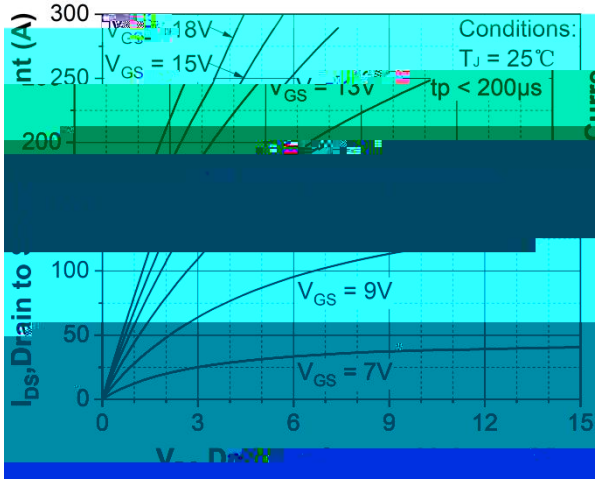
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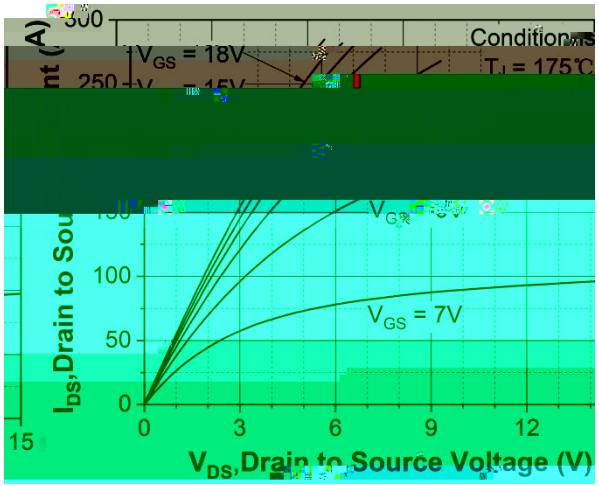
Halogen-Free

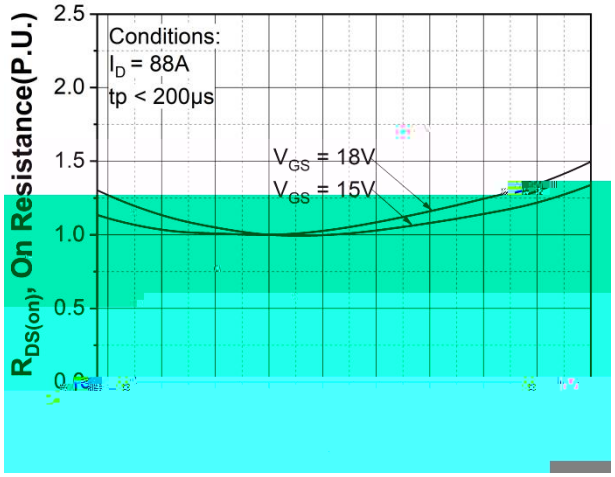
RoHS

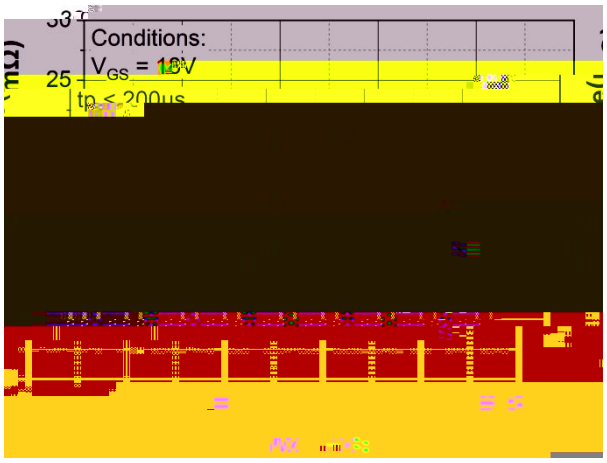
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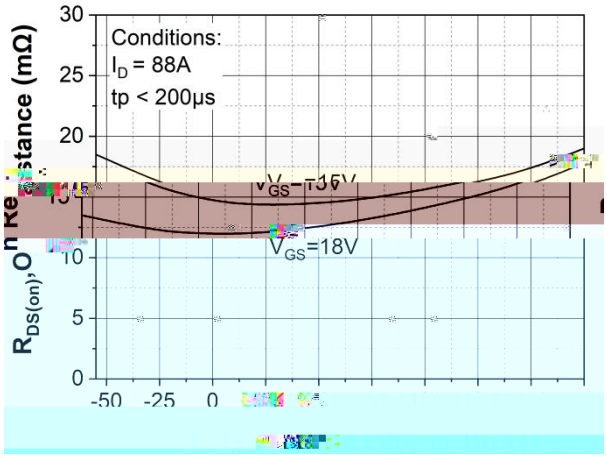


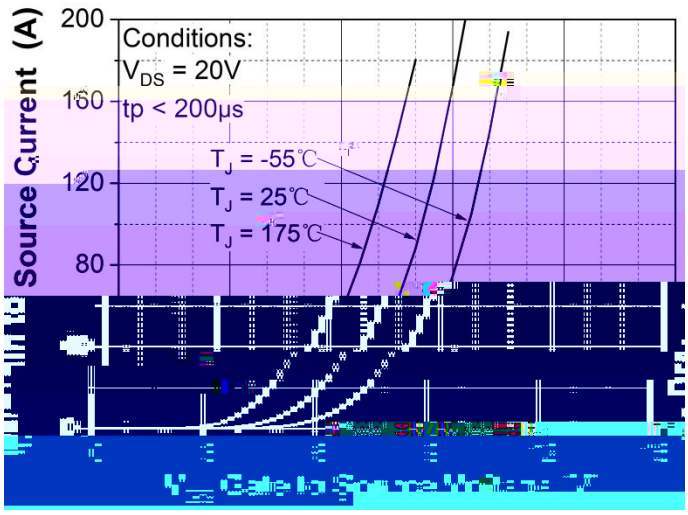

Conditions:
T_J = 25℃
tp < 200μs
V_{GS} = 18V
V_{GS} = 15V
V_{GS} = 9V
V_{GS} = 7V
I_{DS},Drain to
0
50
100
200
250
300
0
3
6
9
12
15

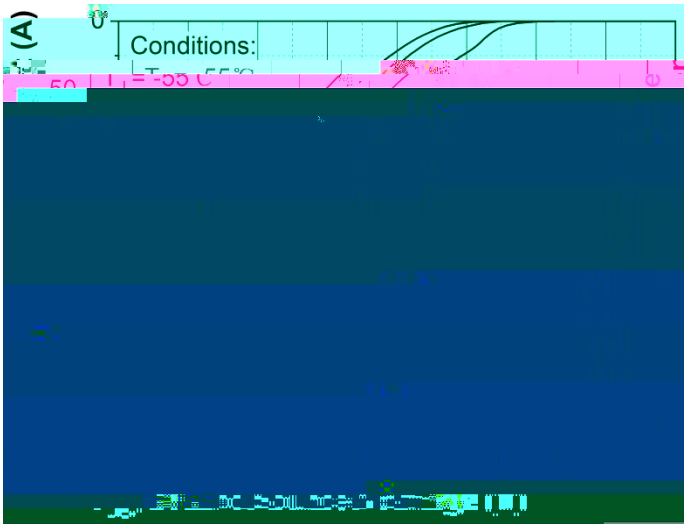

V_{GS} = 18V
V_{GS} = 7V
100
50
0
0
3
6
9
12
V_{DS},Drain to Source Voltage (V)

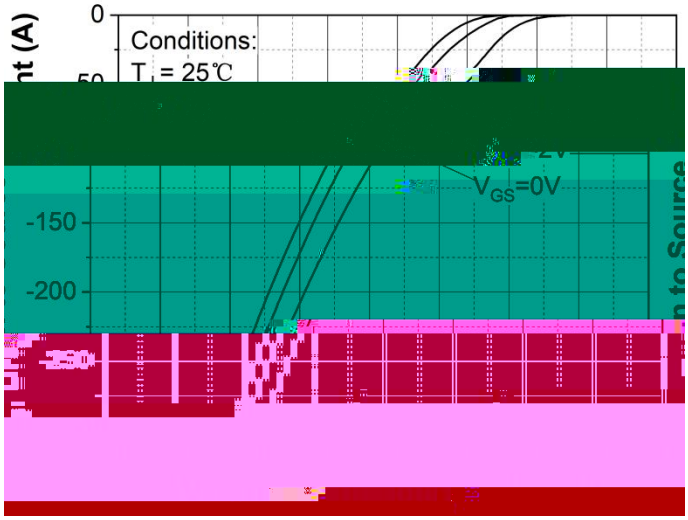

Conditions:
I_D = 88A
tp < 200μs
V_{GS} = 18V
V_{GS} = 15V
$R_{DS(on)}$, On Resistance(P.U.)
0.0
0.5
1.0
1.5
2.0
2.5

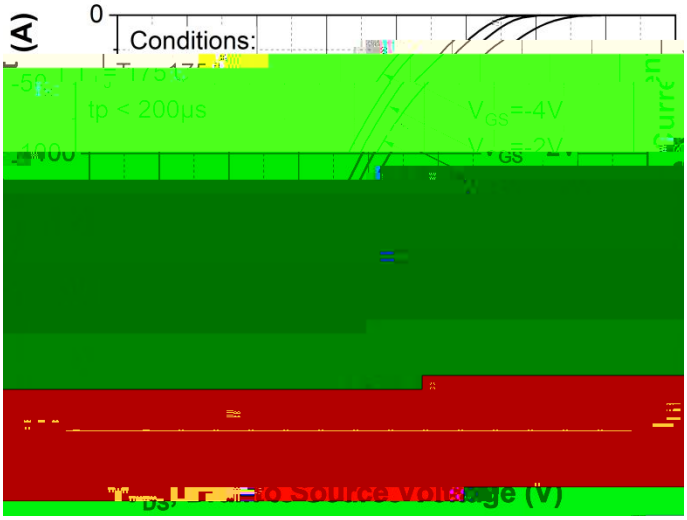

Conditions:
V_{GS} = 18V
tp < 200μs
25

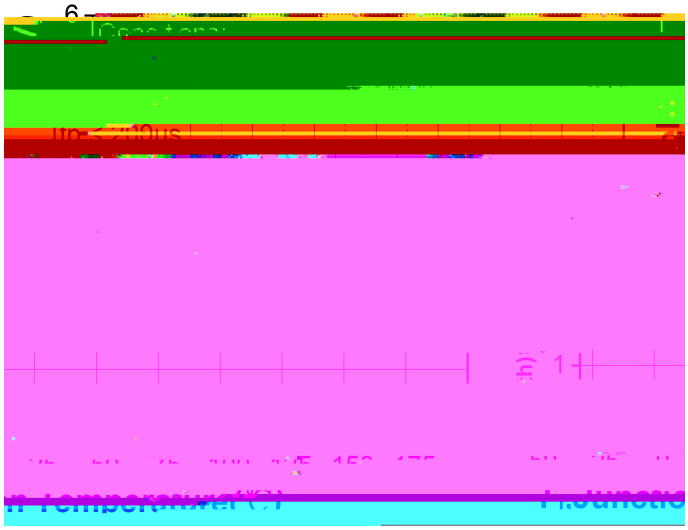

Conditions:
I_D = 88A
tp < 200μs
V_{GS}=18V
$R_{DS(on)}$,
0
5
10
20
25
30
-50
-25
0

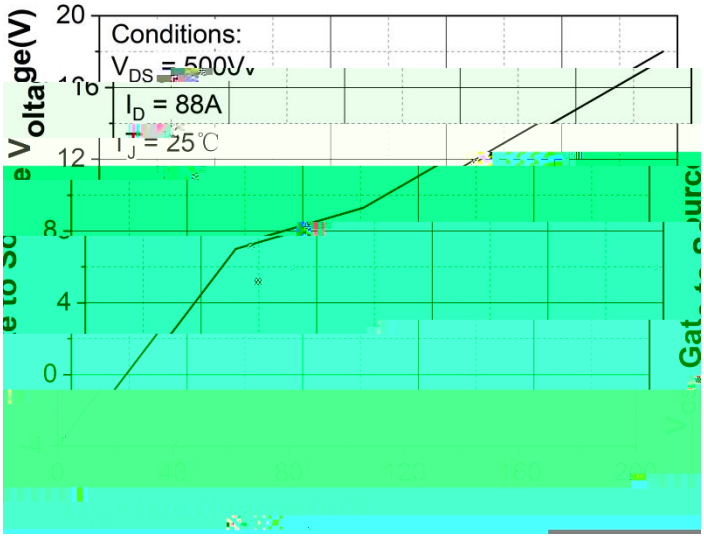

Conditions:
V_{DS} = 20V
tp < 200μs
T_J = -55℃
T_J = 25℃
T_J = 175℃
Source Current (A)
200
160
120
80

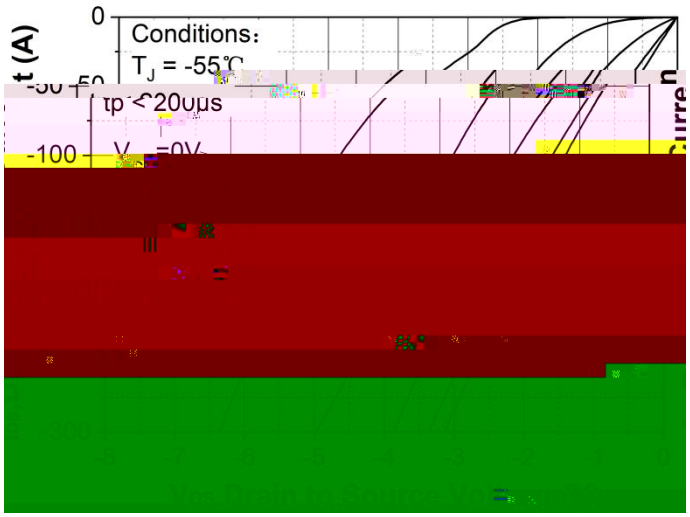

Conditions:
(A)

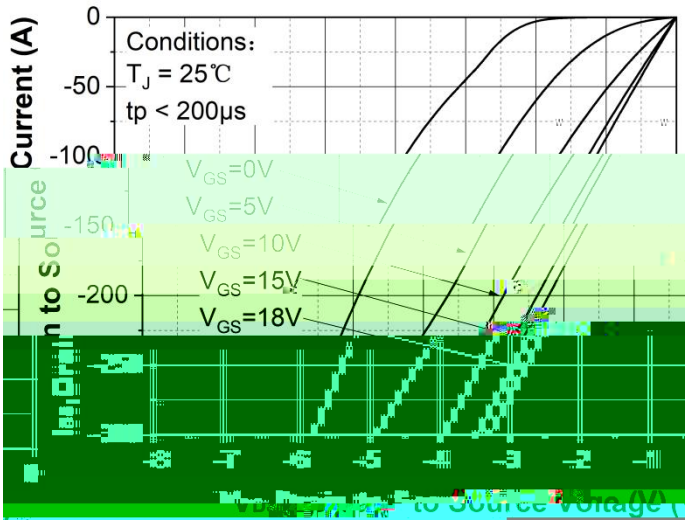

Conditions:
T_J = 25℃
V_{GS}=0V
0
-150
-200

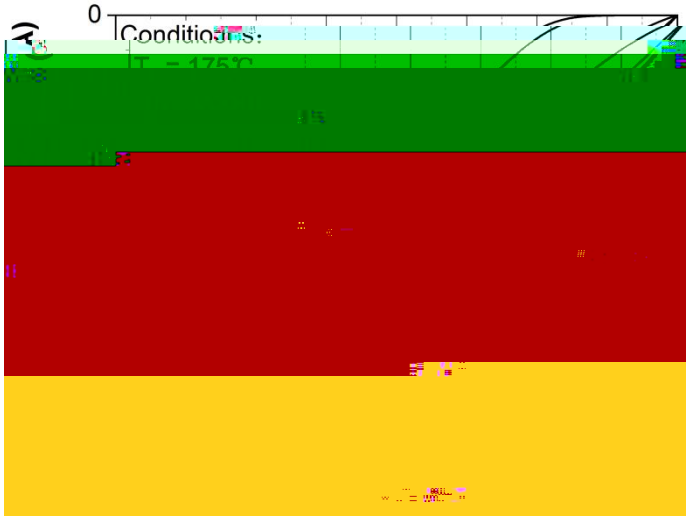

Conditions:
tp < 200μs
V_{GS}=-4V
0

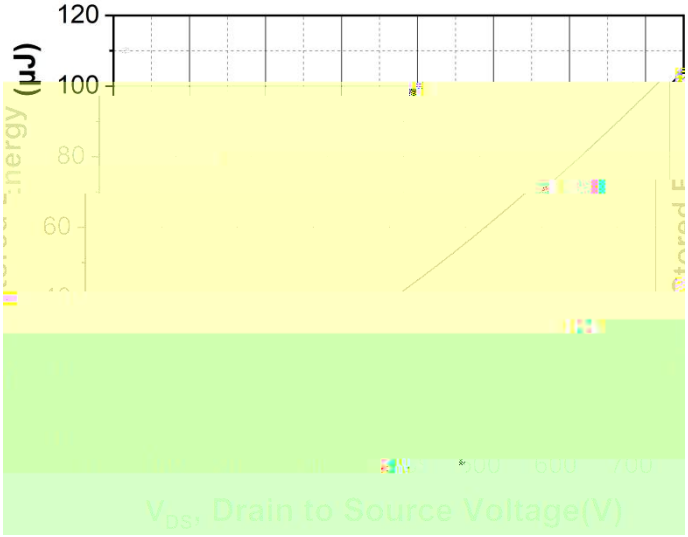

6

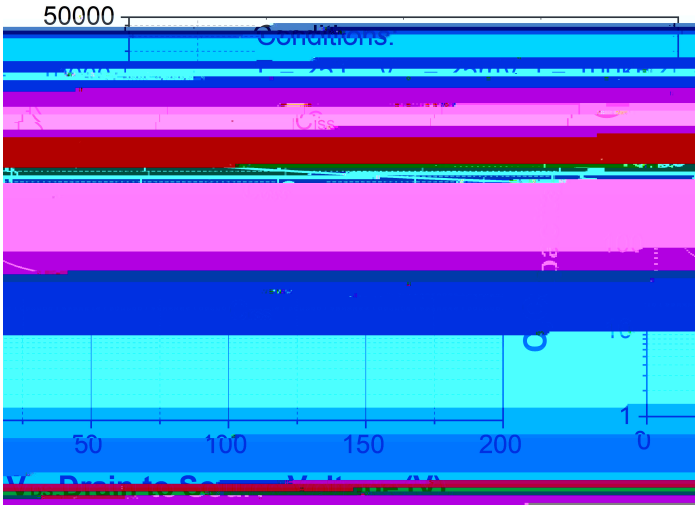

Conditions:
V_{DS} = 500V
I_D = 88A
T_J = 25℃
20
12
8
4
0

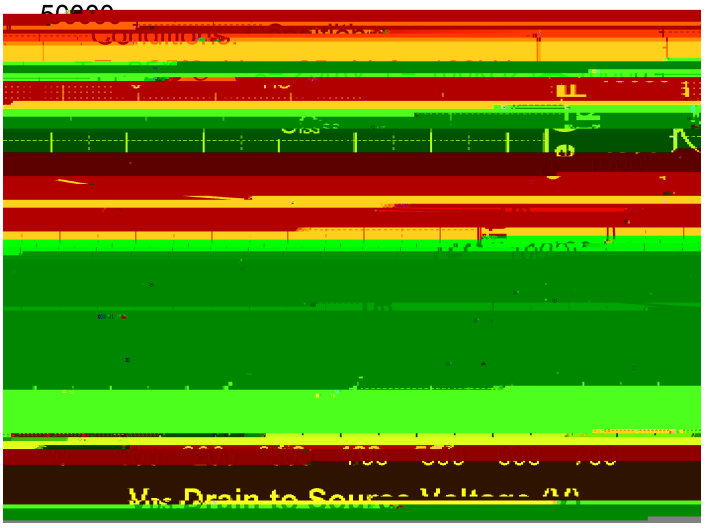

Conditions:
T_J = -55℃
tp < 20μs
V_{GS}=0V

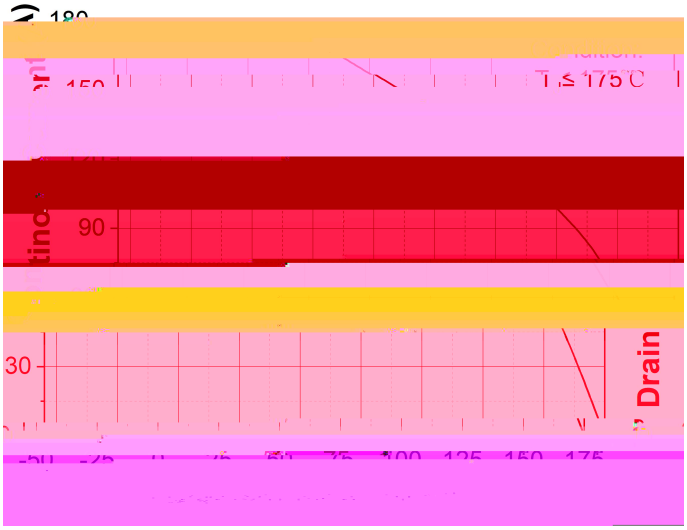

Conditions:
T_J = 25℃
tp < 200μs
V_{GS}=0V
V_{GS}=5V
V_{GS}=10V
V_{GS}=15V
V_{GS}=18V
Current (A)

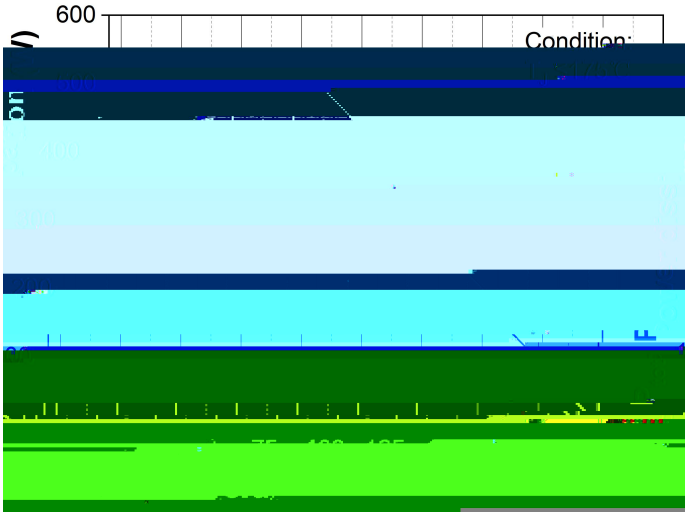

Conditions:

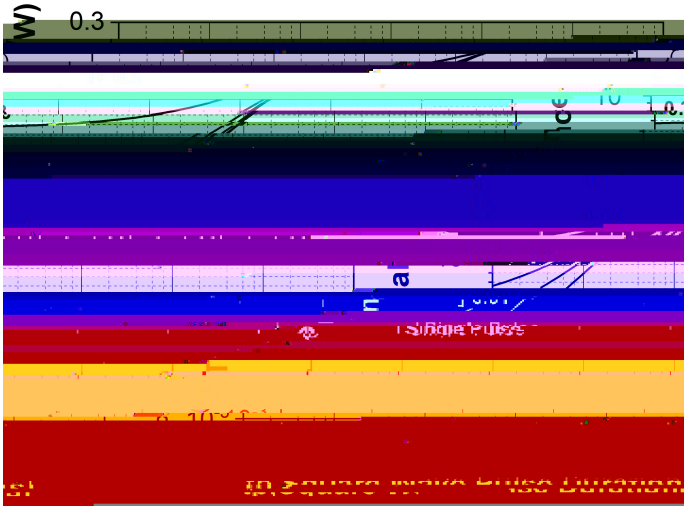

120
100
80
60
(μJ)
V_{DS}, Drain to Source Voltage(V)

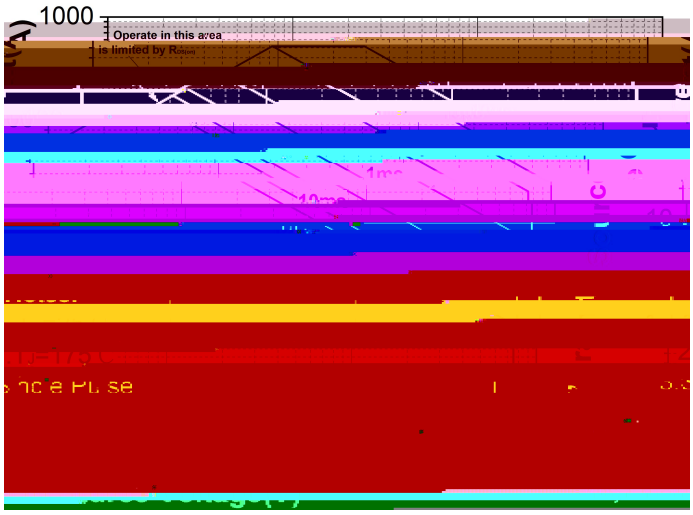

50000
Conditions:
50
100
150
200

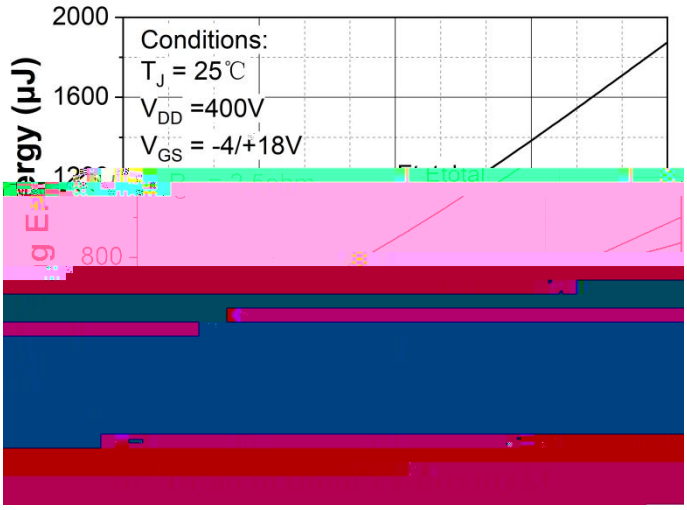


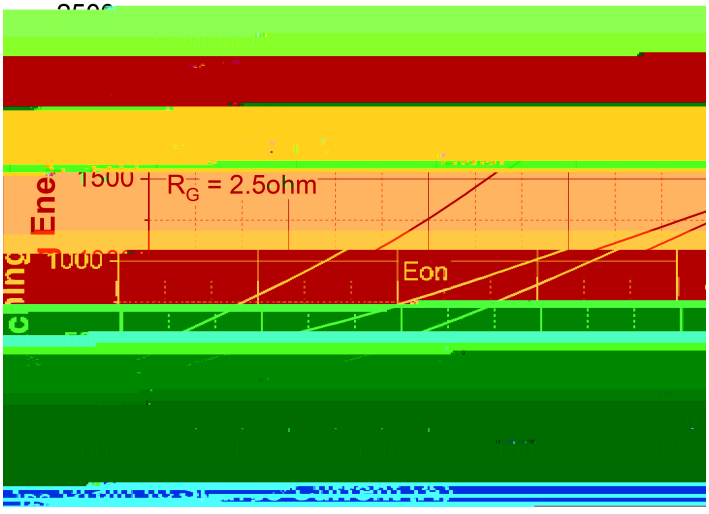

90
30
Drain

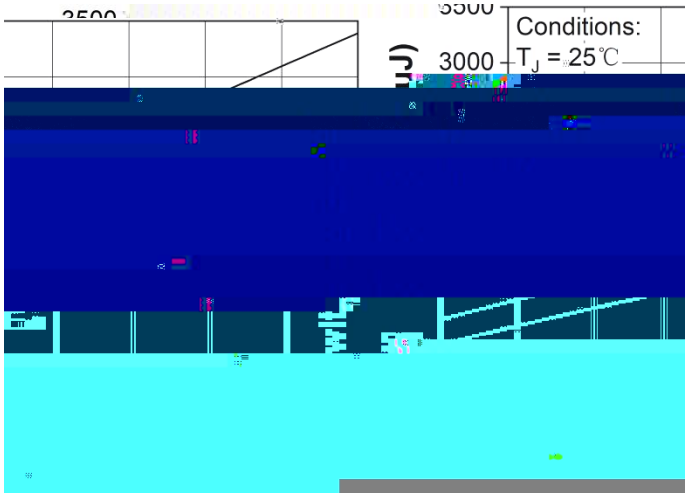

600
Condition:

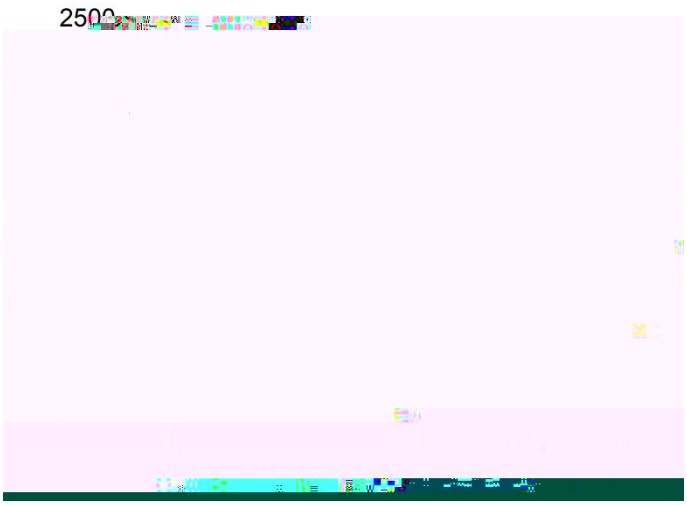

0.3

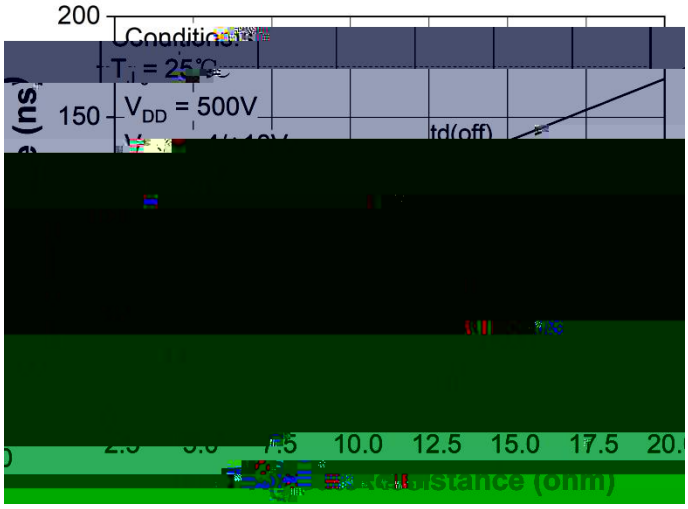

1000
Operate in this area
is limited by R

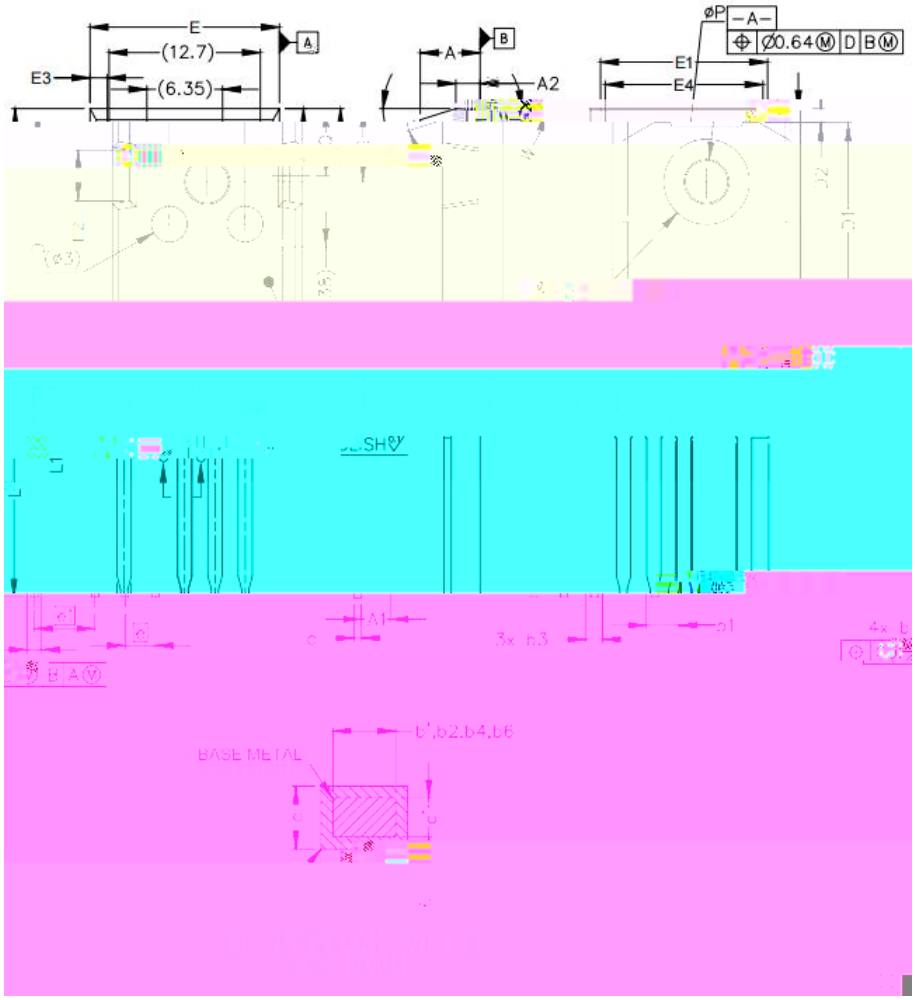

2000
1600
Conditions:
T_J = 25℃
V_{DD} =400V
V_{GS} = -4/+18V
800


1500
R_G = 2.5ohm
1000
Eon

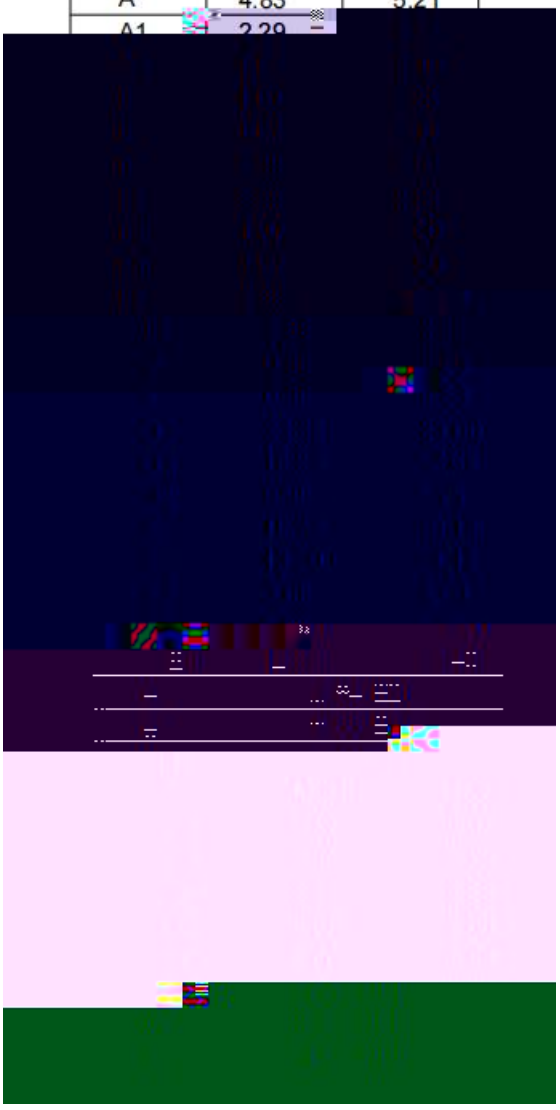

Conditions:
T_J = 25℃

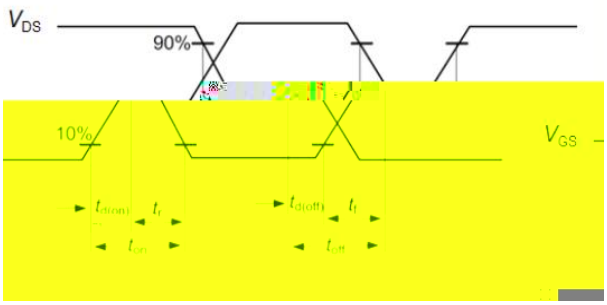


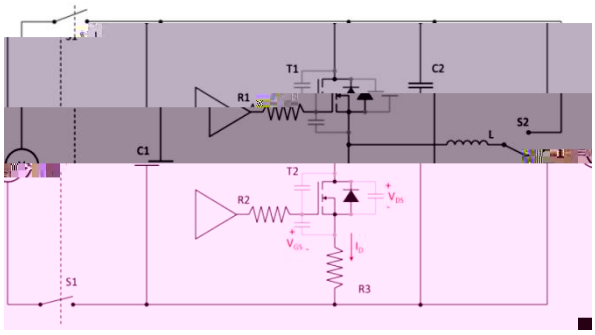

200
Conditions:
T_J = 25℃
150
V_{DD} = 500V
td(off)
10.0
12.5
15.0
17.5
Resistance (ohm)



SYMBOL	MILLIMETERS	
	MIN	MAX
A	4.83	5.21
A1	2.29	




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
V_{DS}
V_{DS-}
I_D
R3
S1