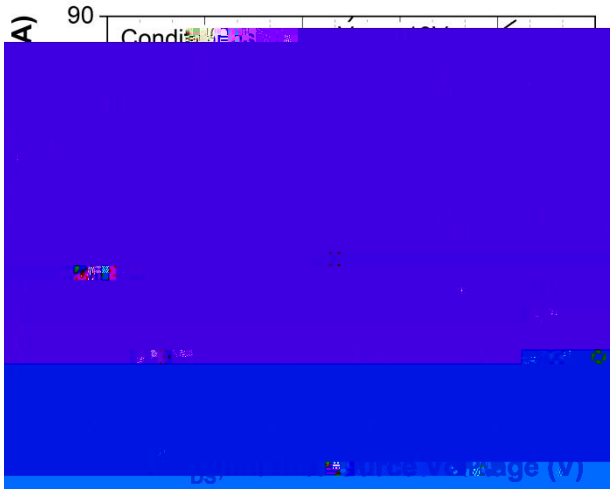
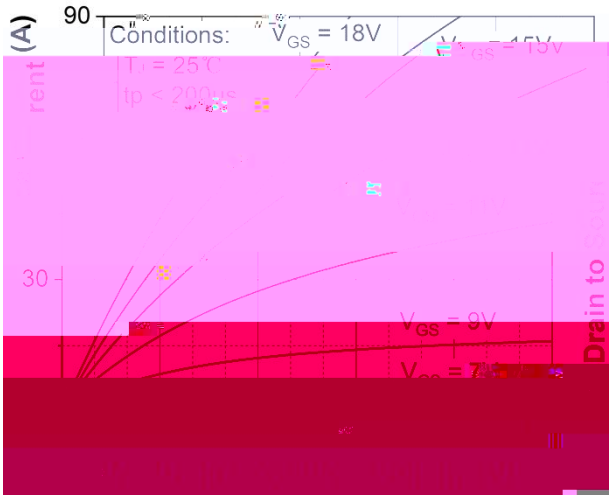
SICHAIN

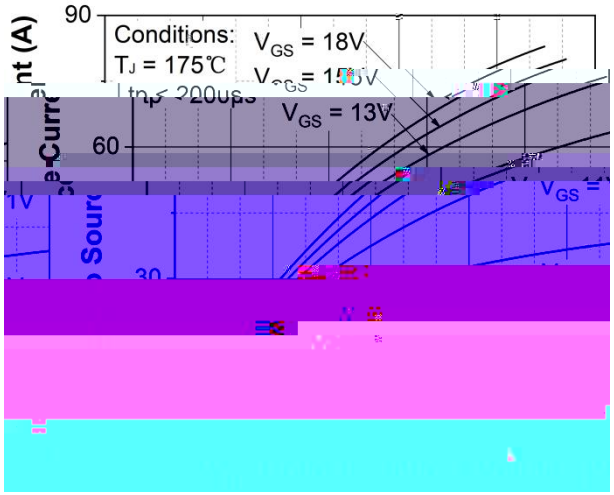


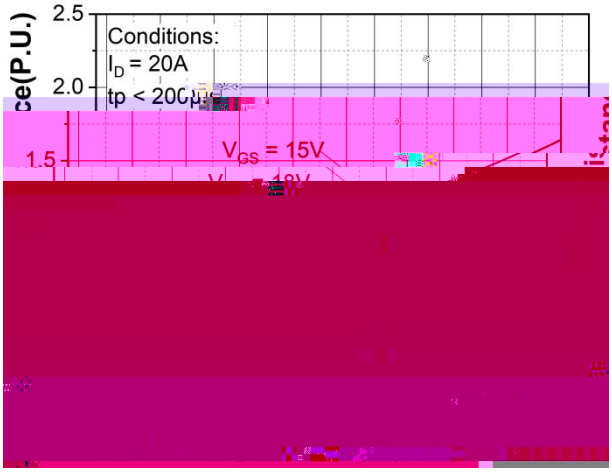
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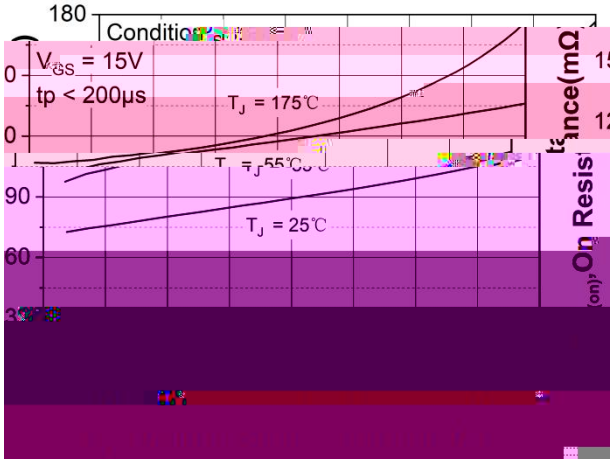
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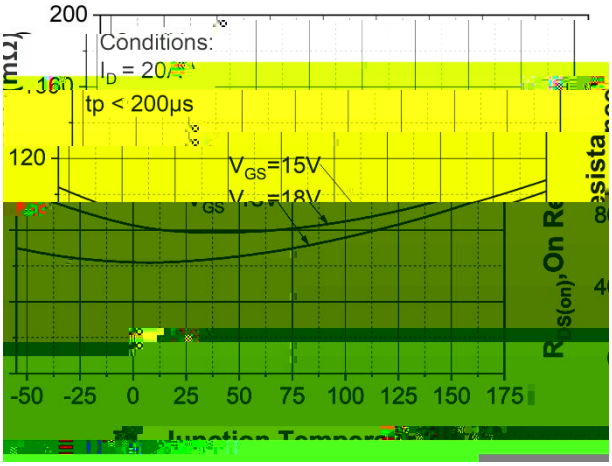

90
(A)


90
(A)
Conditions:
V_{GS} = 18V
T_J = 25℃
tp < 200μs
30
V_{GS} = 9V
Drain to

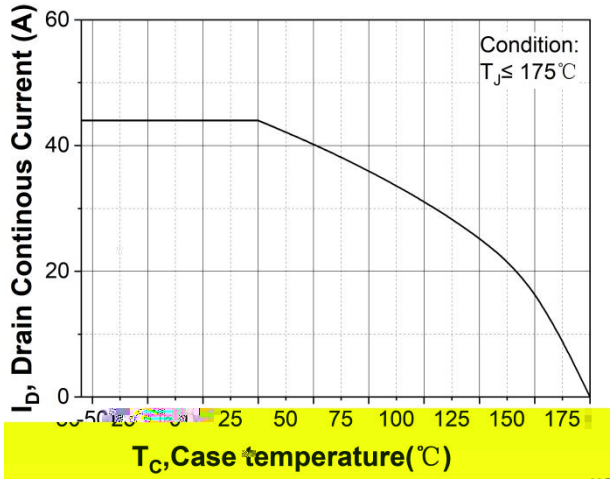

90
Conditions:
T_J = 175℃
tp < 200μs
V_{GS} = 18V
V_{GS} = 13V
60
30

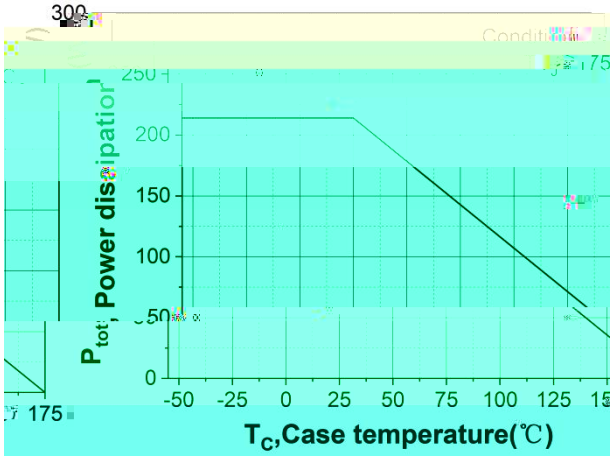

2.5
2.0
1.5
Conditions:
I_D = 20A
tp < 200μs
V_{GS} = 15V

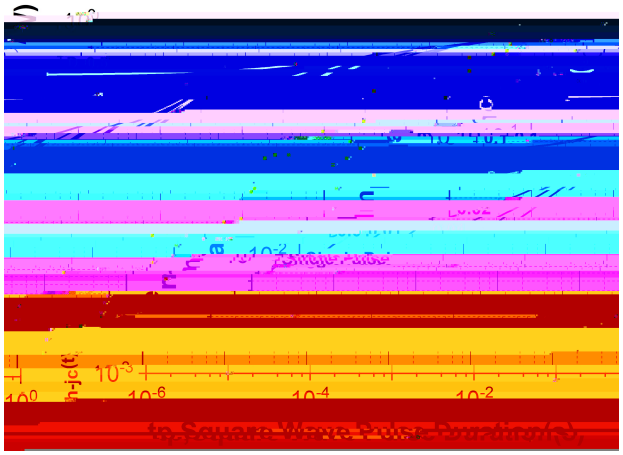

180
V_{GS} = 15V
tp < 200μs
T_J = 175℃
T_J = 25℃
90
60

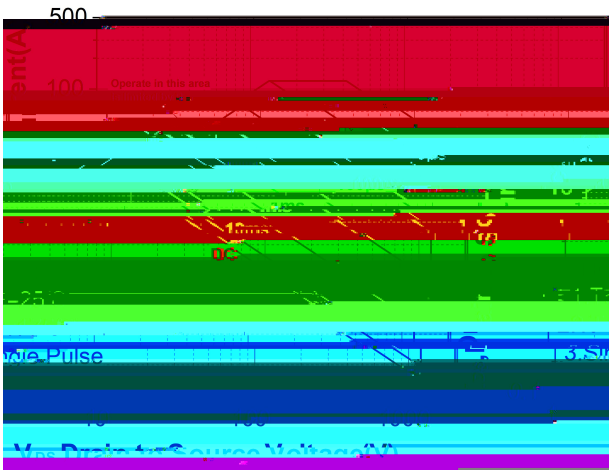

200
Conditions:
I_D = 20A
tp < 200μs
120
V_{GS}=15V
-50 -25 0 25 50 75 100 125 150 175

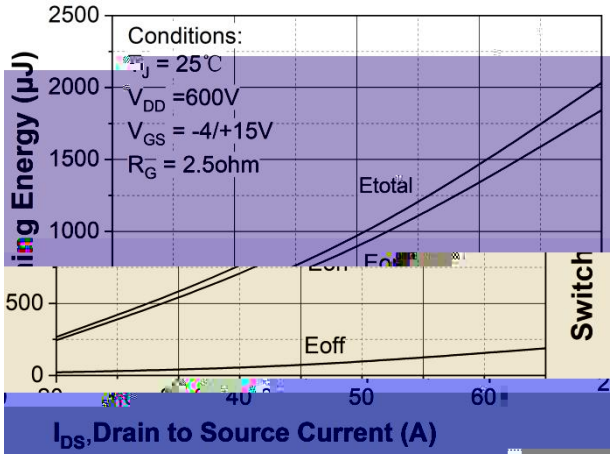
VñA€ñ0 U1y i

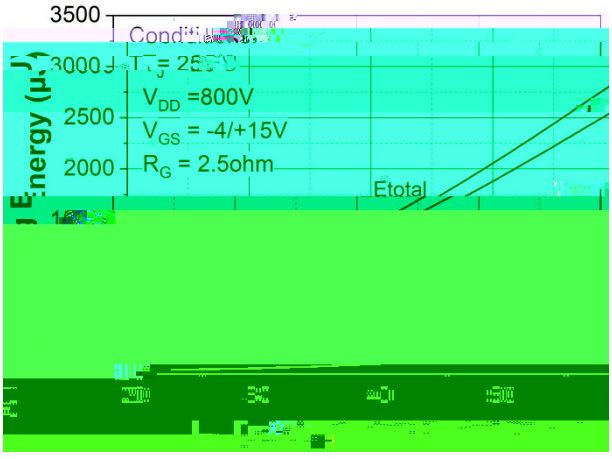

Condition:
$T_J \leq 175℃$
I_D, Drain Continous Current (A)
60
40
20
0
-50 -25 0 25 50 75 100 125 150 175
T_C,Case temperature(℃)

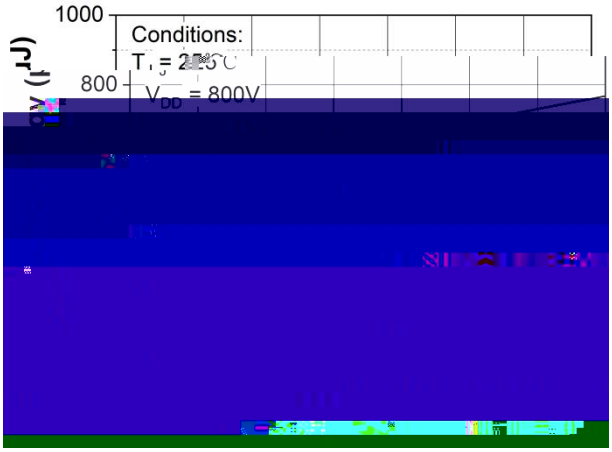

300
250
200
150
100
50
0
P_{tot}, Power dissipation
-50 -25 0 25 50 75 100 125
T_C,Case temperature(℃)

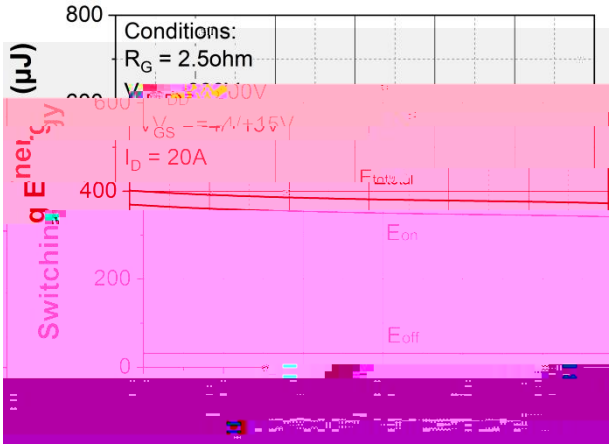


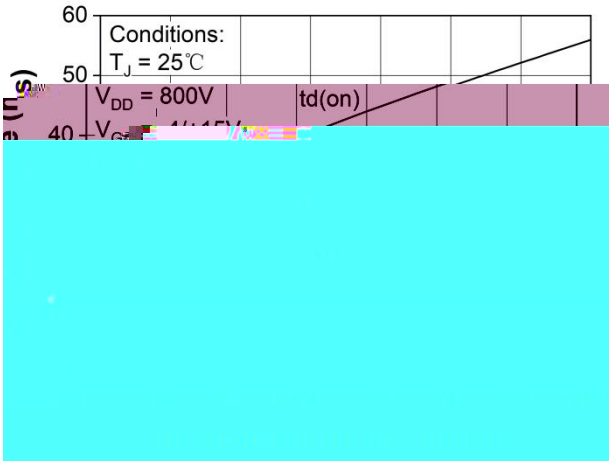



2500
2000
1500
1000
500
0
Conditions:
T_J = 25℃
V_{DD} =600V
V_{GS} = -4/+15V
R_G = 2.5ohm
Etotal
Eoff
Switch
40 50 60
I_{DS},Drain to Source Current (A)


3500
3000
2500
2000
T_J= 25℃
V_{DD} =800V
V_{GS} = -4/+15V
R_G = 2.5ohm
Etotal


1000
800
Conditions:
T_J = 25℃
V_{DD} = 800V


800
400
200
0
Conditions:
R_G = 2.5ohm
I_D = 20A
E_{on}
E_{off}


60
50
40
Conditions:
T_J = 25℃
V_{DD} = 800V
td(on)

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			——