}

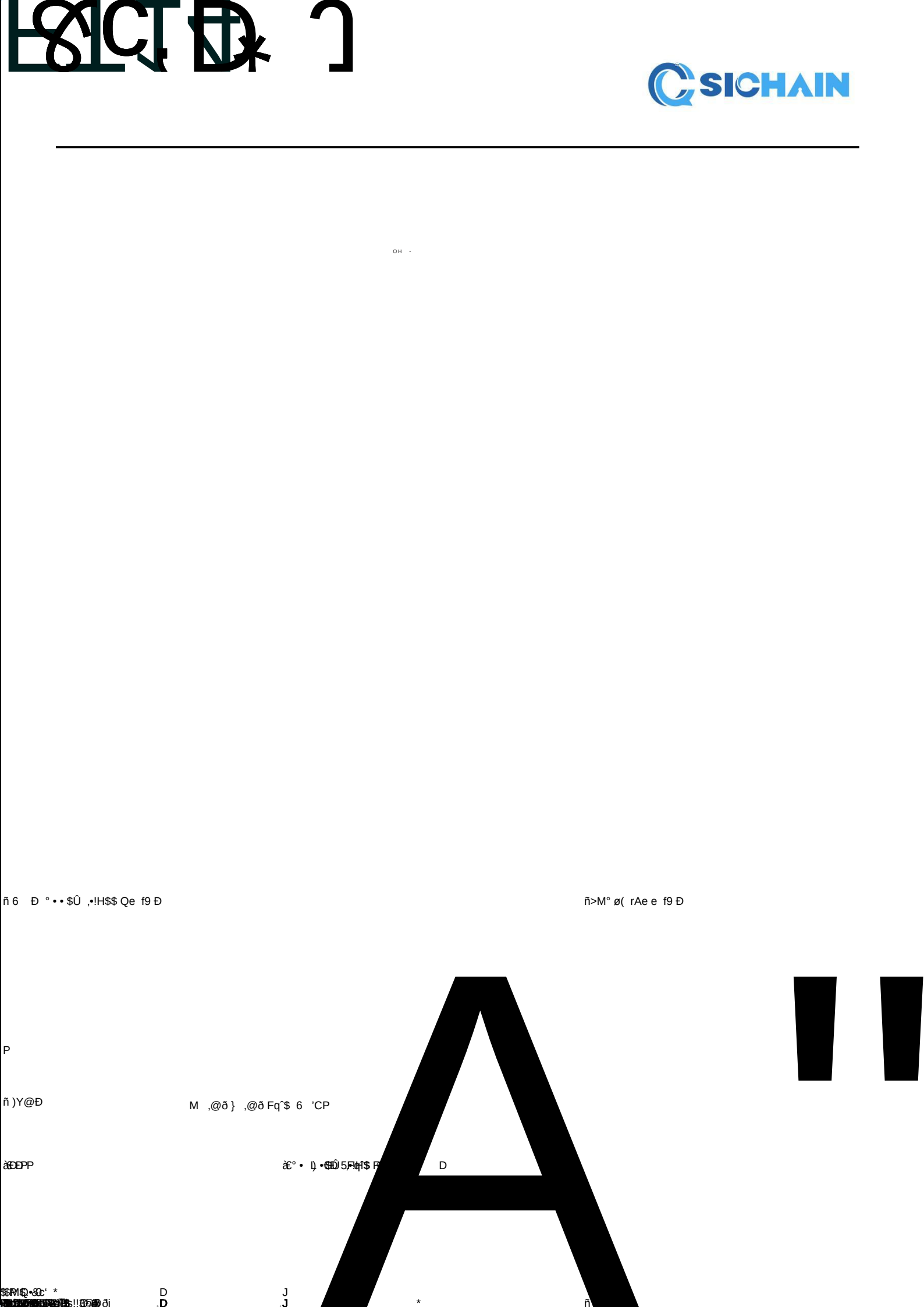
ñ 6 Ð °•• $Û ,•!H$$ Qe f9 Ð

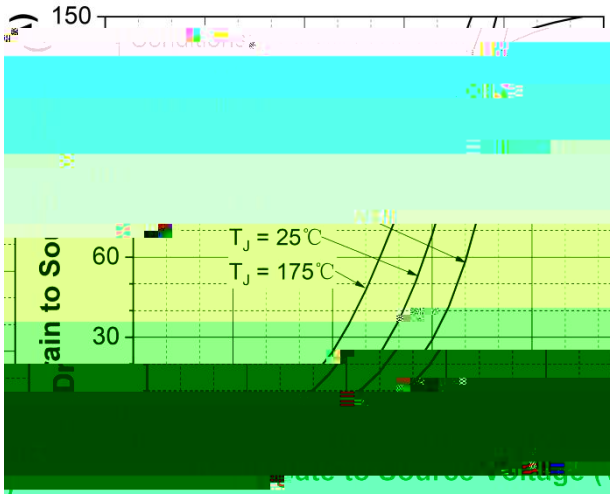
ñ>M° ø(rAe e f9 Ð

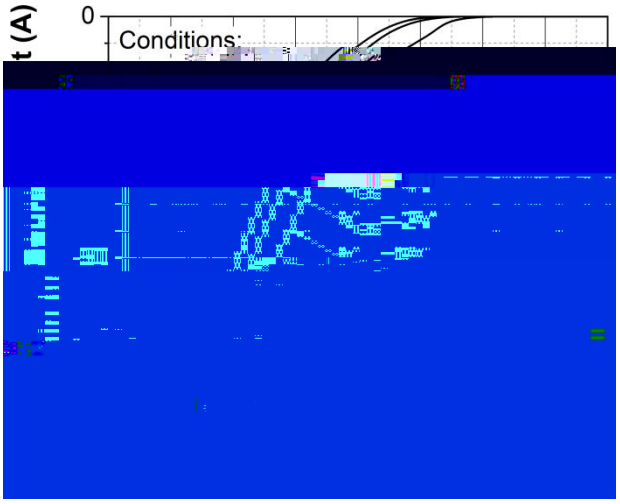
P

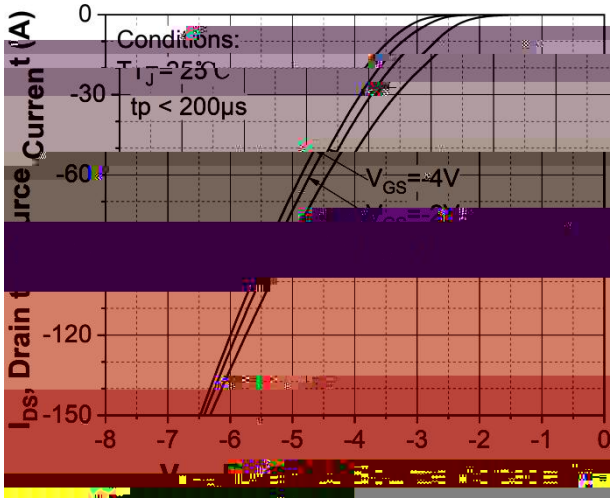
ñ)Y@Ð

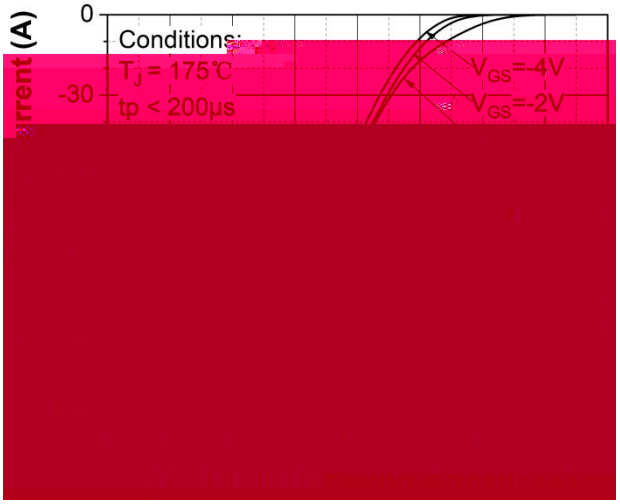
M ,@ð } ,@ð Fqˆ$ 6 'CP

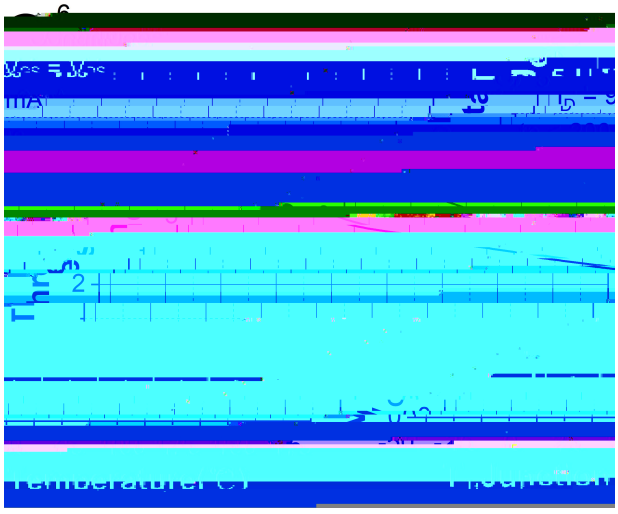


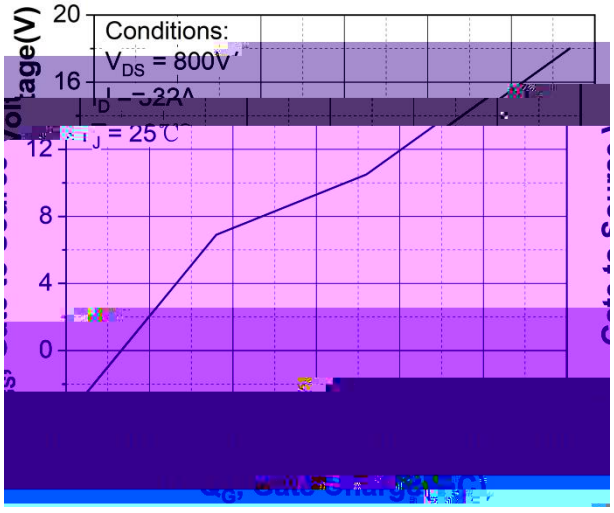

150
60
30
T_J = 25℃
T_J = 175℃

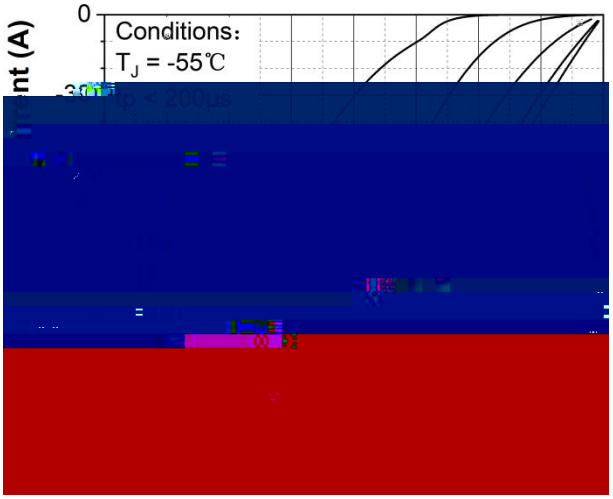

0
Conditions:

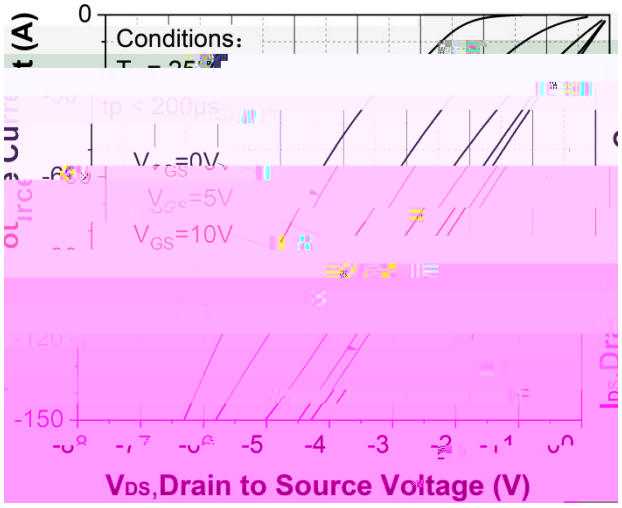

0
-30
-60
-120
-150
-8
-7
-6
-5
-4
-3
-2
-1
Conditions:
tp < 200μs
V_{GS}=-4V

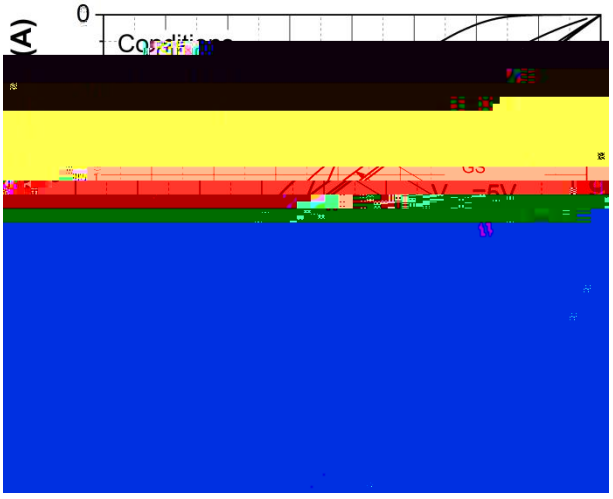

0
-30
Conditions:
T_j = 175℃
tp < 200μs
V_{GS}=-4V
V_{GS}=-2V

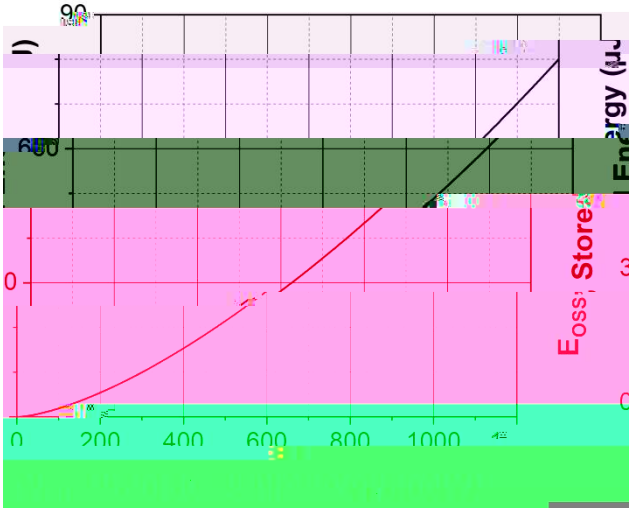


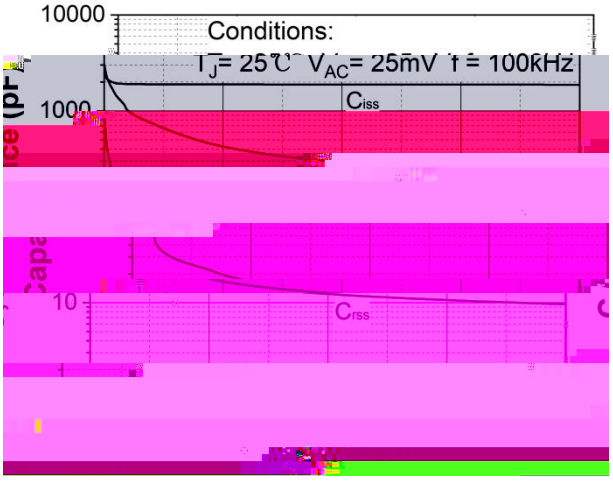

20
16
12
8
4
0
Conditions:
V_{DS} = 800V
T_J = 25℃

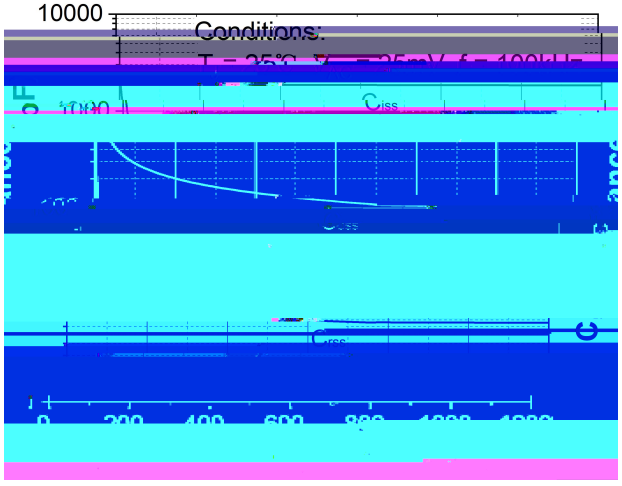

Conditions:
T_J = -55℃
tp < 200μs

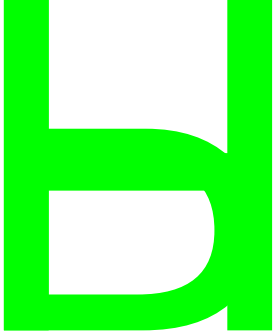

Conditions:
tp < 200μs
V_{GS}=0V
V_{GS}=5V
V_{GS}=10V
V_{DS},Drain to Source Voltage (V)


V_{GS}=5V

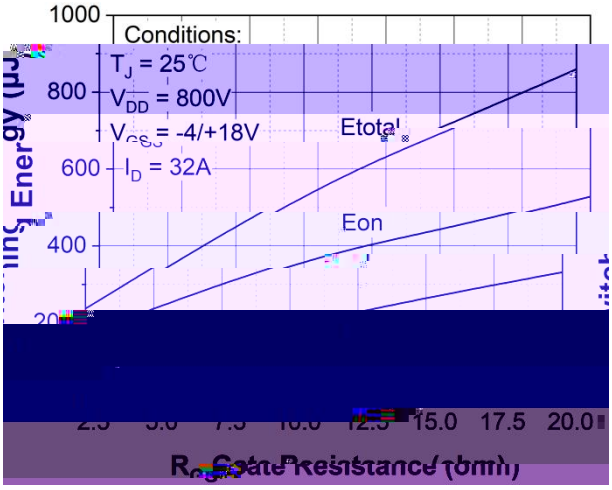

E_{OSS}, Stored

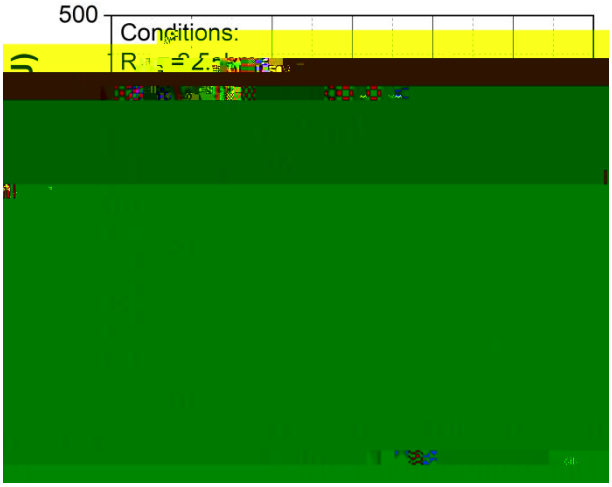

Conditions:
T_J= 25℃ V_{AC}= 25mV f = 100kHz
C_{iss}
C_{rss}

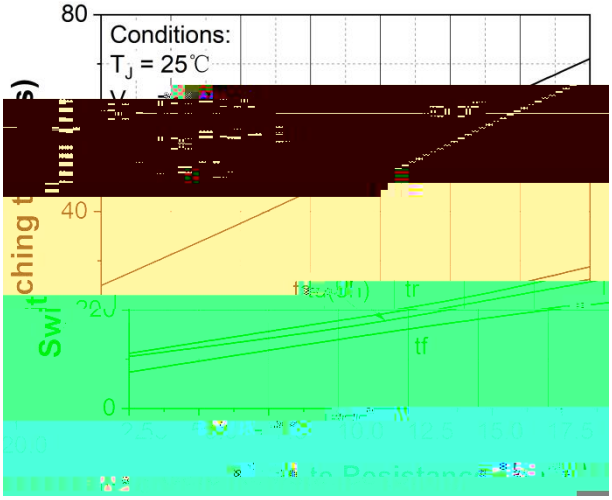

Conditions:
C_{iss}
C_{rss}

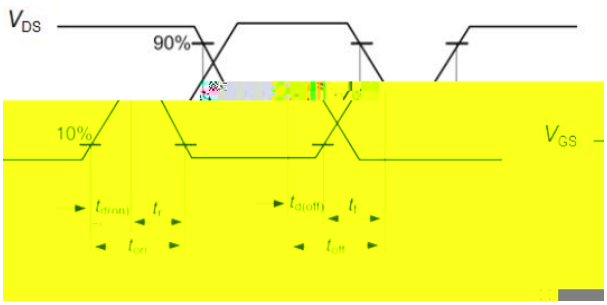


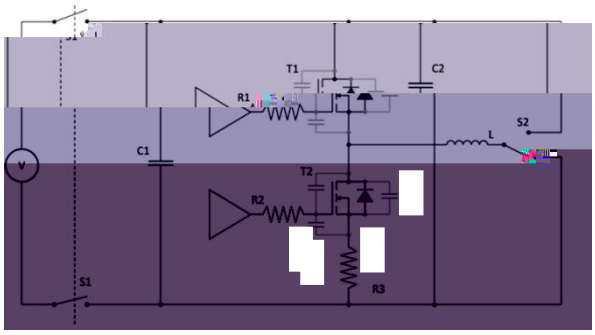


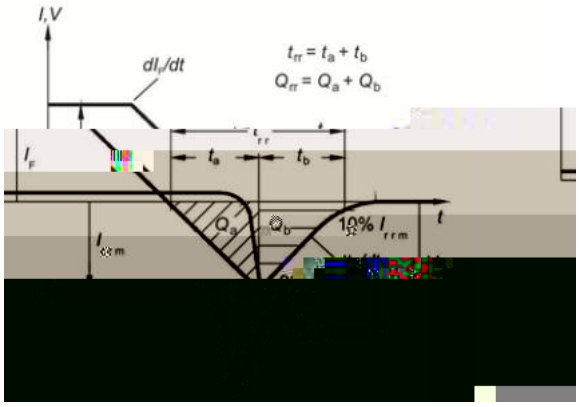

1000
800
600
400
Conditions:
T_J = 25℃
V_{DD} = 800V
V_{GS} = -4/+18V
I_D = 32A
Etotal
Eon
15.0
17.5
20.0


500
Conditions:


80
Conditions:
T_J = 25℃
40
tf
0


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
V
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
I_{rrm}

			——