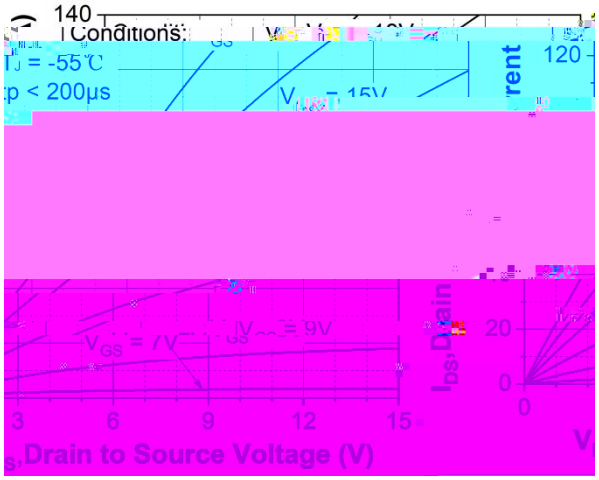
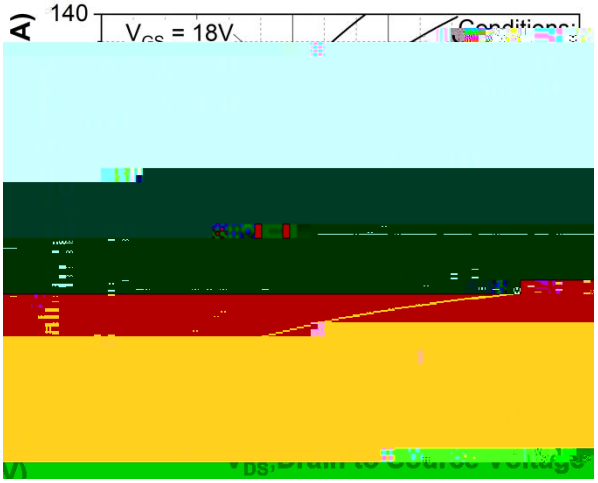
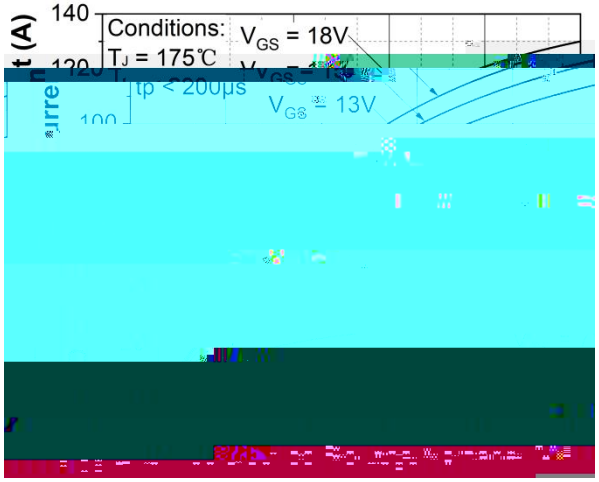
U

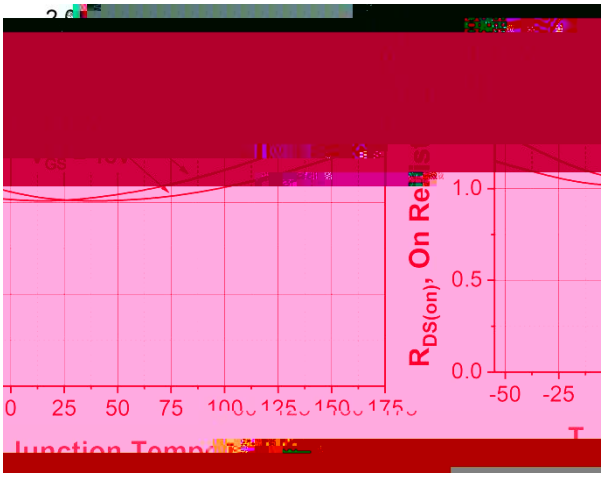
Dð "Y(„ • Y@Ð € ≤ V

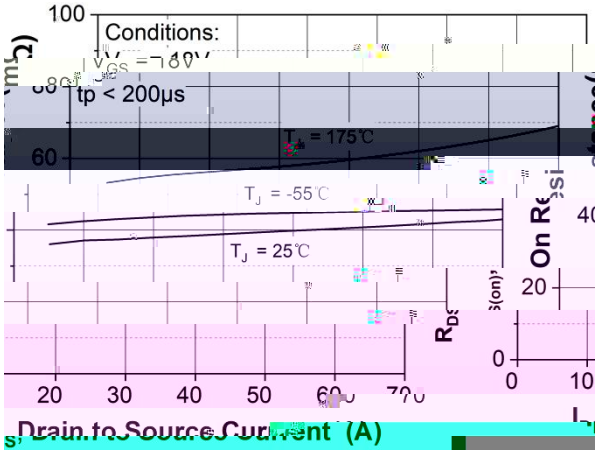
Vœ ‡ ‡Š· V Я u©… H

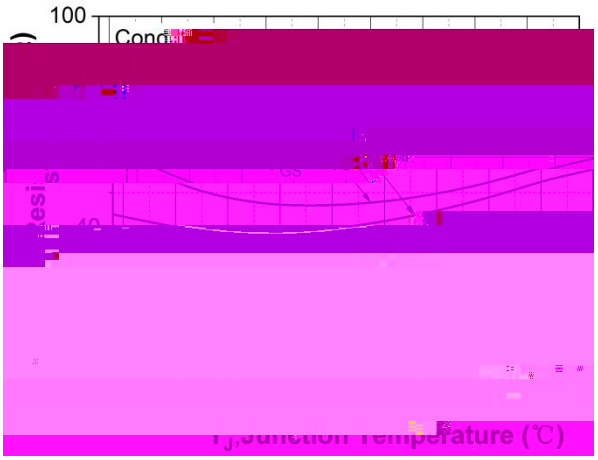

Conditions:
T_J = -55℃
tp < 200μs
V_{GS} = 15V
V_{GS} = 9V
I_{DS},Drain
3
6
9
12
15
0
20
0
Drain to Source Voltage (V)

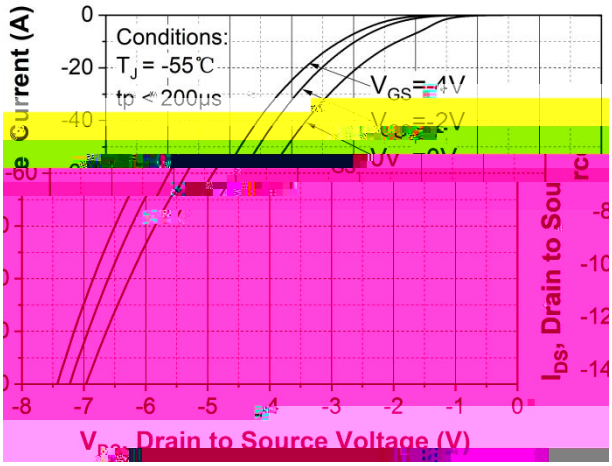

140
V_{GS} = 18V
Conditions:

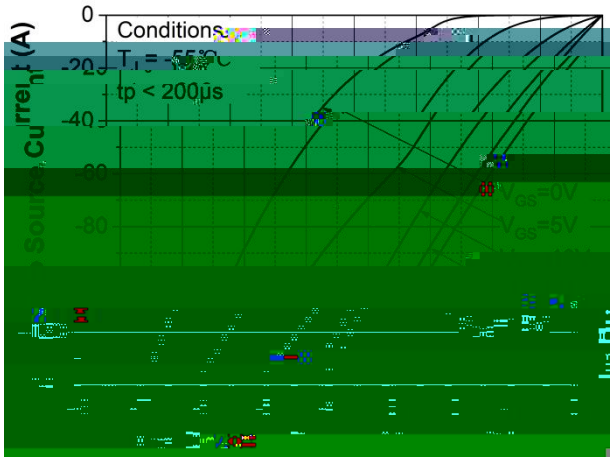

140
Conditions:
V_{GS} = 18V
T_J = 175℃
tp < 200μs
V_{GS} = 13V

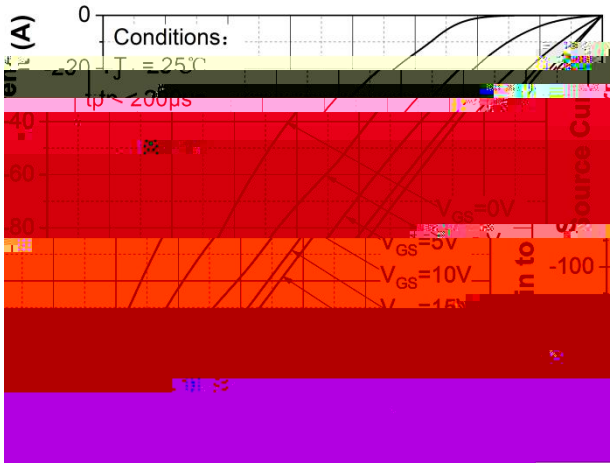

$R_{DS(on)}$, On Re
1.0
0.5
0.0
-50
-25
0
25
50
75
100
125
150
175

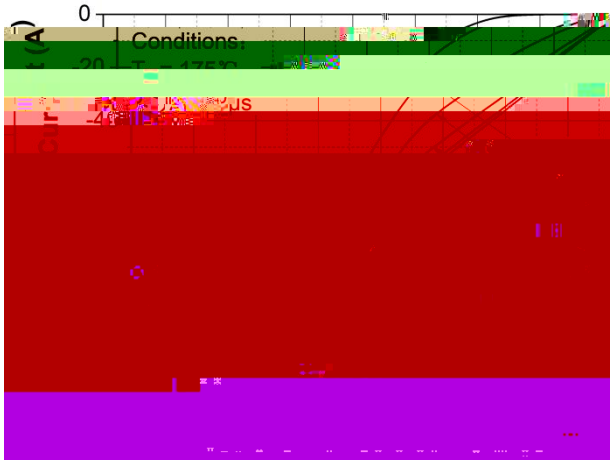

100
Conditions:
tp < 200μs
T_J = 175℃
T_J = -55℃
T_J = 25℃
On Re
20
0
0
10
20
30
40
50
60
70
Drain to Source Current (A)

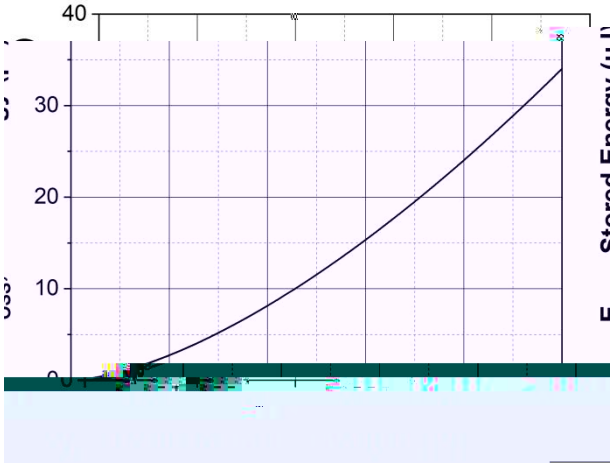

100
Conditions:
T_J,Junction Temperature (℃)

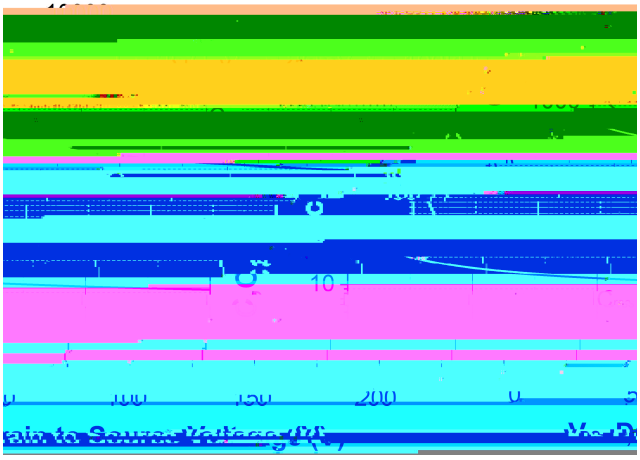

Conditions:
T_J = -55℃
tp < 200μs
V_GS=-4V
V_GS=-2V
0
-20
-40
-60
-8
-10
-12
-14
-8
-7
-6
-5
-4
-3
-2
-1
0
I_DS, Drain to Source
V_DS, Drain to Source Voltage (V)

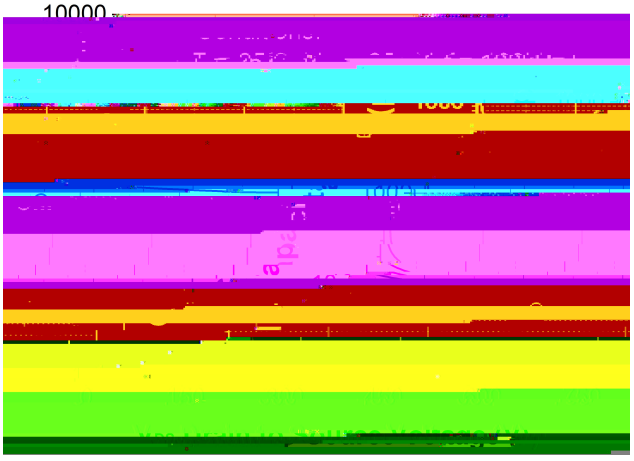

Conditions:
tp < 200μs
0
-20
-40
-60
-80

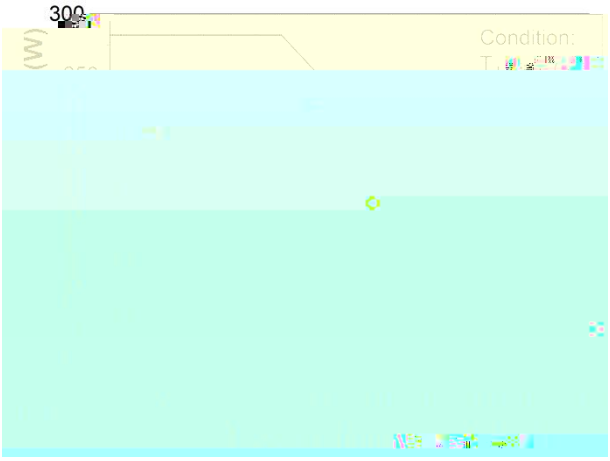

Conditions:
0
-20
-40
-60
-80
-100
V_{GS}=5V
V_{GS}=10V

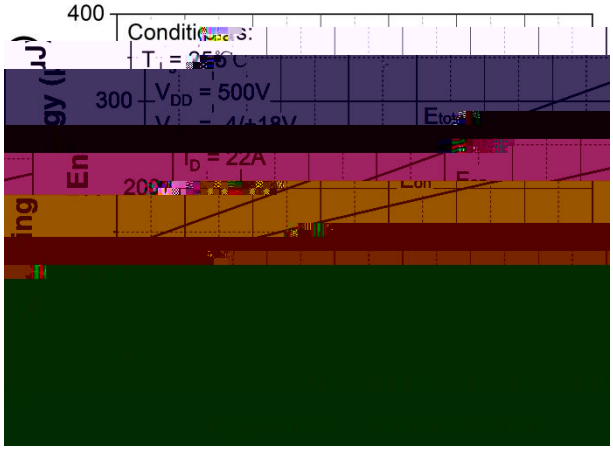

Conditions:
0
-20

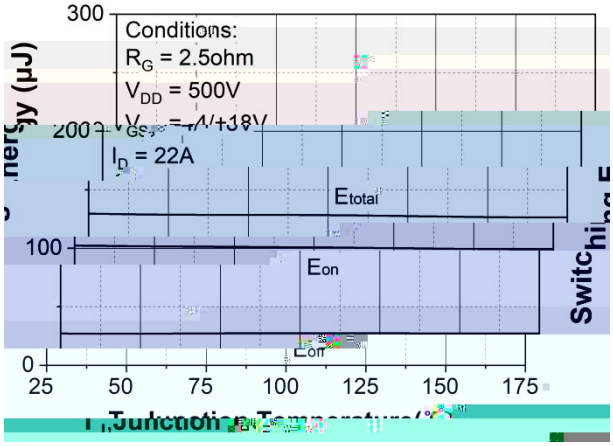

40
30
20
10
0

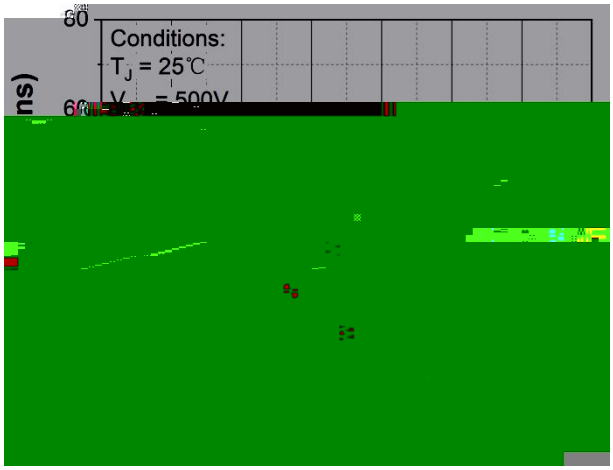

10

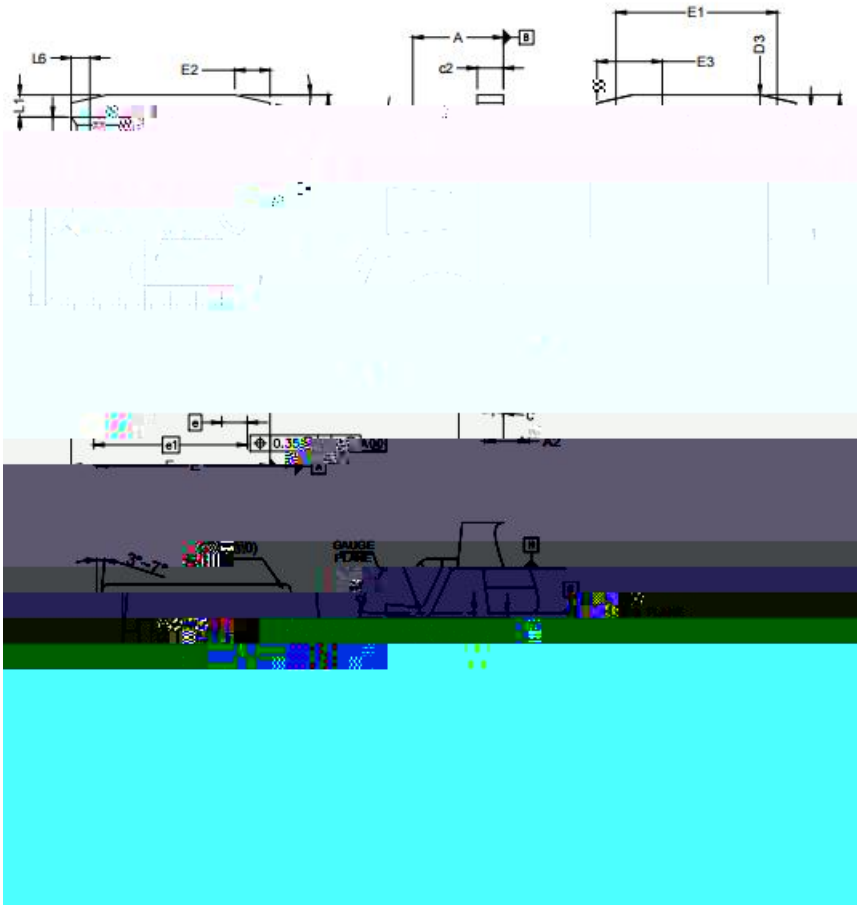

10000


300
Condition:

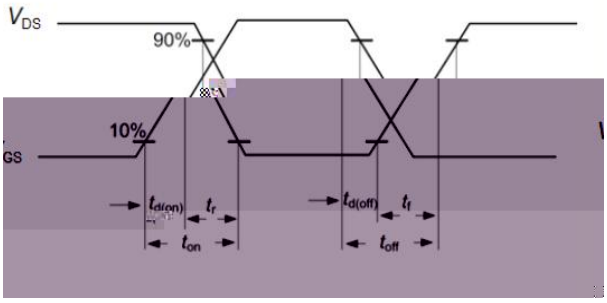

400
300
200
V_{DD} = 500V
I_D = 22A

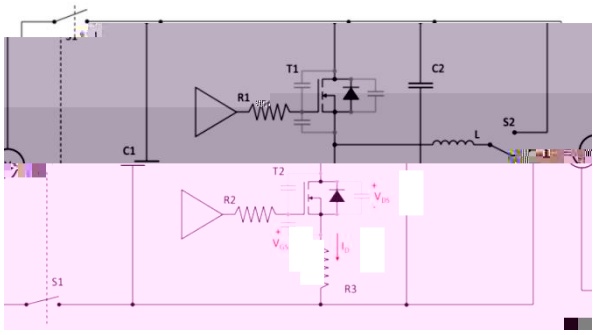

300
200
100
0
Conditions:
R_G = 2.5ohm
V_{DD} = 500V
I_D = 22A
E_{total}
E_{on}
25
50
75
100
125
150
175

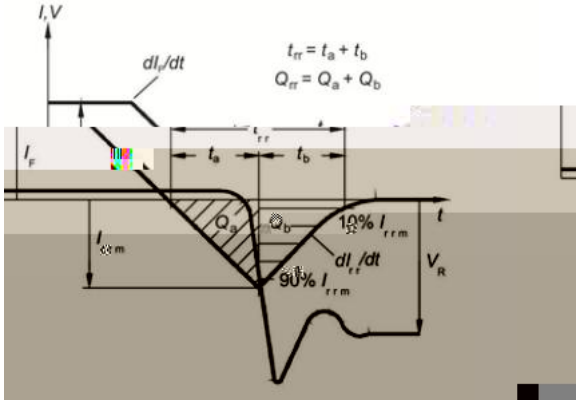

60
Conditions:
T_J = 25℃



SYMBOL	MIN	MAX	SYMBOL	MIN	MAX
A	4.30		L	1.78	2.79
A1		0.25	L1		1.60
A2	2.02	2.42	L3	0.25BSC	
b	0.50	0.70	L4	0.93BSC	
b1	0.50	0.65	L5	1.04BSC	
b3	0.60	0.75	L6	0.93BSC	
c	0.45	0.60	H	14.61	15.88
c1	0.45	0.55			
D	9.10	9.50			
D1	6.86	7.42			
D2	0.72	1.12			
D3	0.40	0.80			
D4	4.45	4.85			
E	9.68	10.08			
E1	7.70	8.30			
E2	1.55	1.95			
E3	3.04	3.44			
E4	3.21	3.61			
e	1.27 BSC				
e1	7.62 BSC				


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


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}
I_{rrm}
dI_{rr}/dt
90% I_{rrm}
V_R
t

		——	——
		——	——
		——	——
		——	——
		——	——
		——	——
			——

