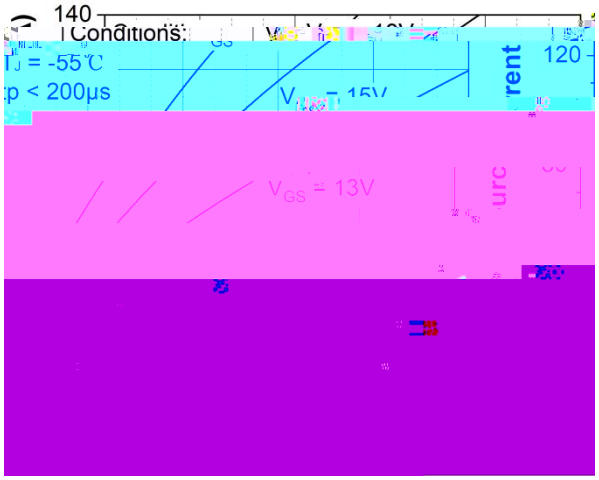
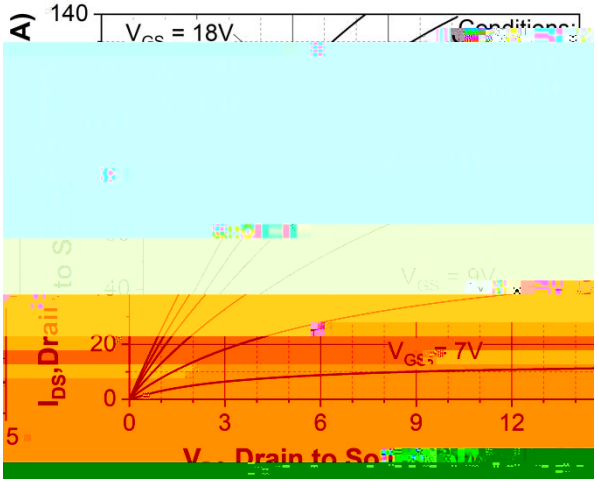
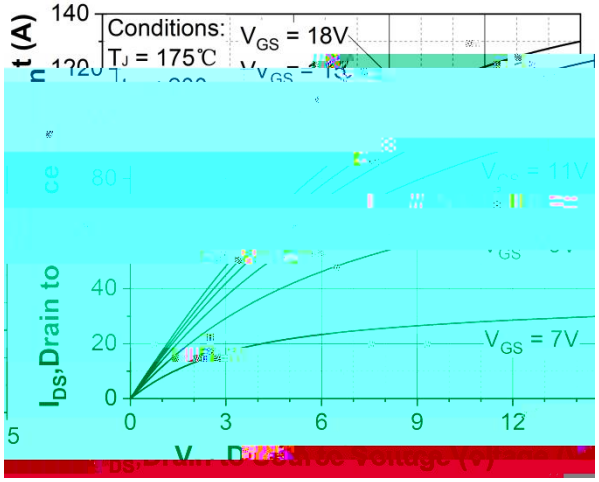
U

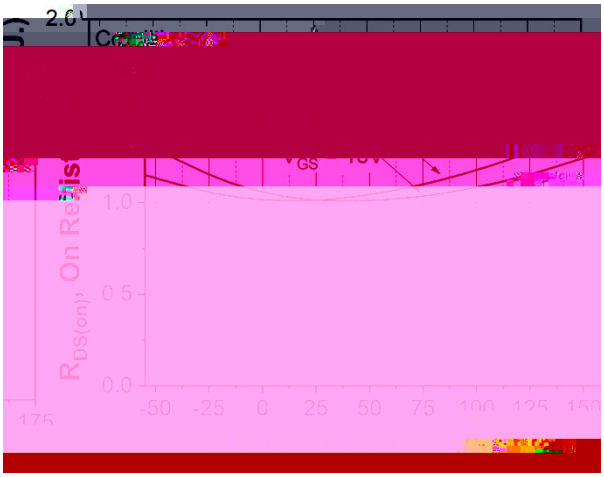
Dð "Y(„ • Y@Ð € ≤ V

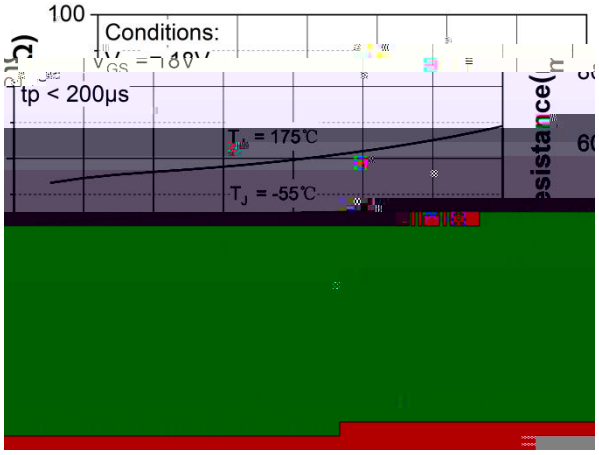
Vœ ‡ ‡Š· V Я u©… H

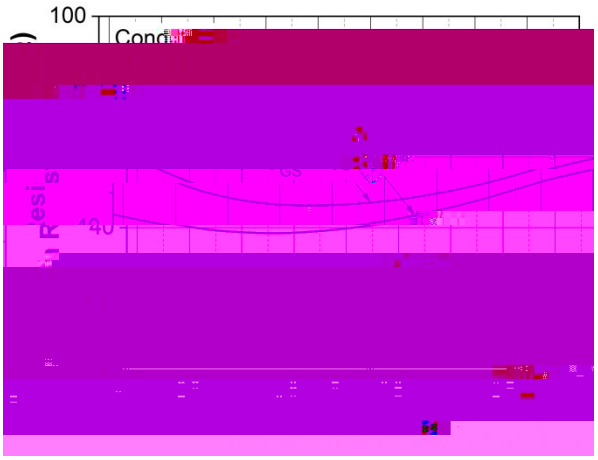

140
Conditions:
T_J = -55℃
tp < 200μs
120
V_{GS} = 13V

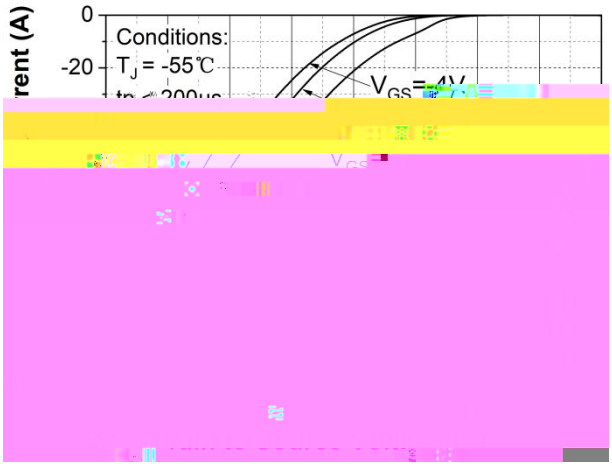

140
V_{GS} = 18V
20
0
V_{GS} = 7V
0
3
6
9
12

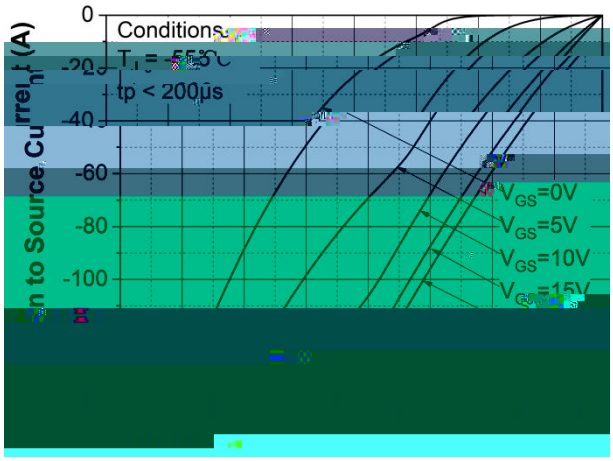

140
Conditions:
V_{GS} = 18V
T_J = 175℃
80
V_{GS} = 11V
40
20
0
V_{GS} = 7V
0
3
6
9
12

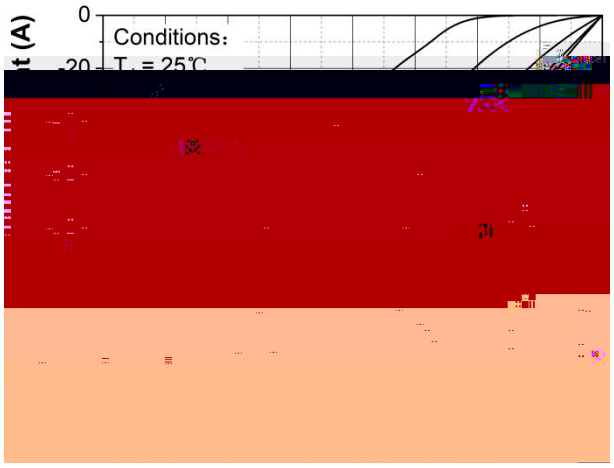

2.0
1.0
0.5
0.0
-50
-25
0
25
50
75
100
125
150

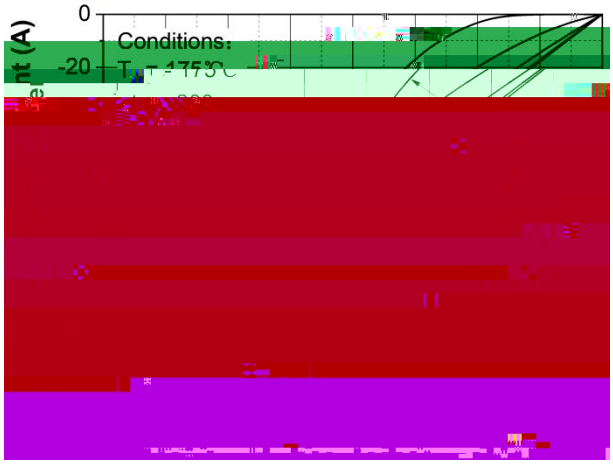

100
Conditions:
tp < 200μs
T_J = 175℃
T_J = -55℃
60

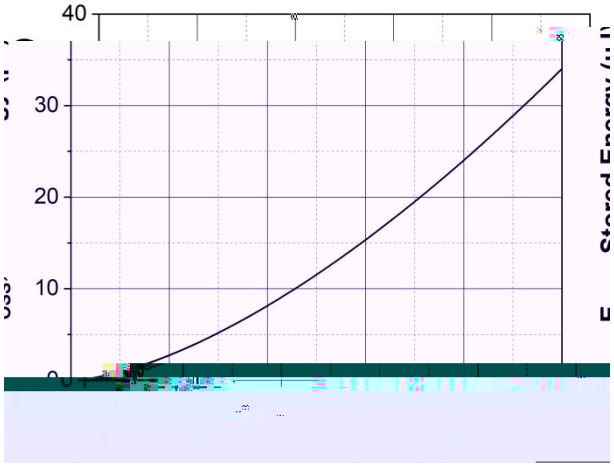

100
40

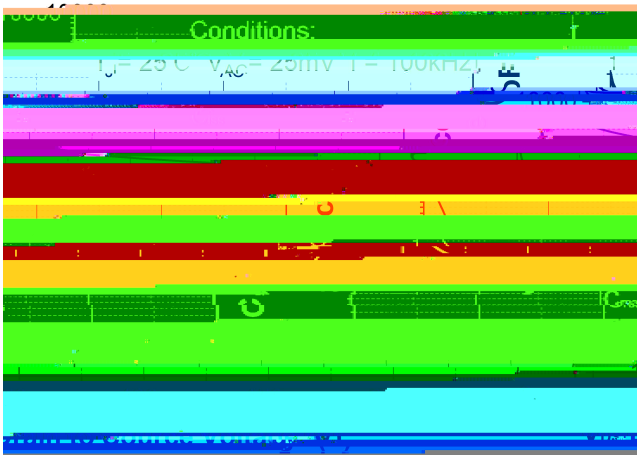

rent (A)
0
-20
Conditions:
T_J = -55℃
V_{GS}=4V

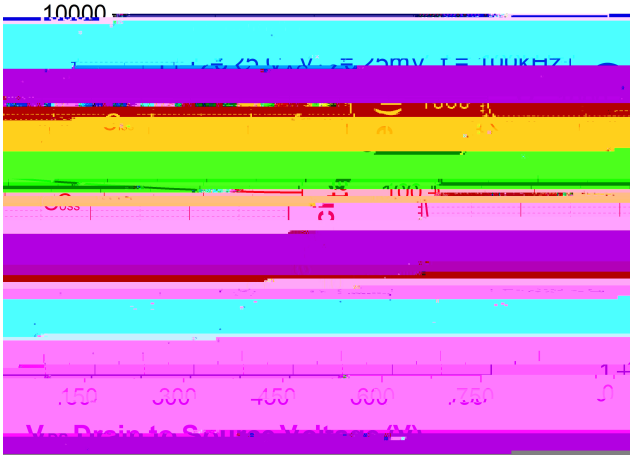

Conditions:
tp < 200μs
V_{GS}=0V
V_{GS}=5V
V_{GS}=10V
V_{GS}=15V

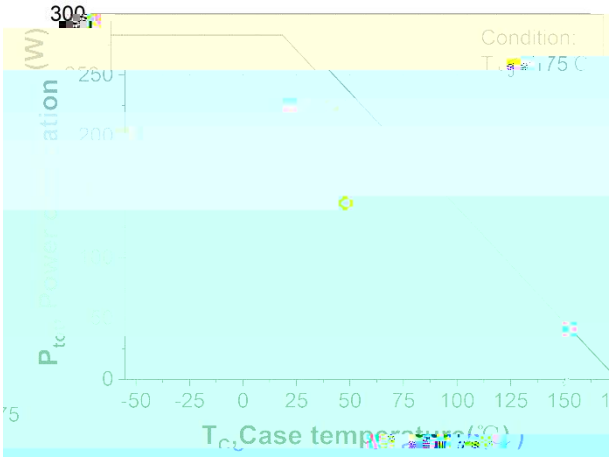

Conditions:

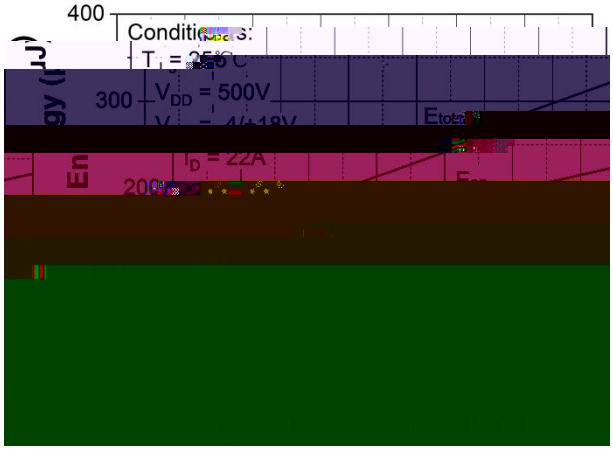

Conditions:

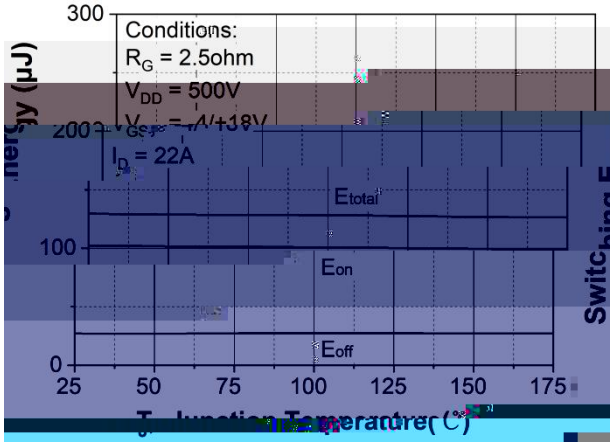

40
30
20
10
0

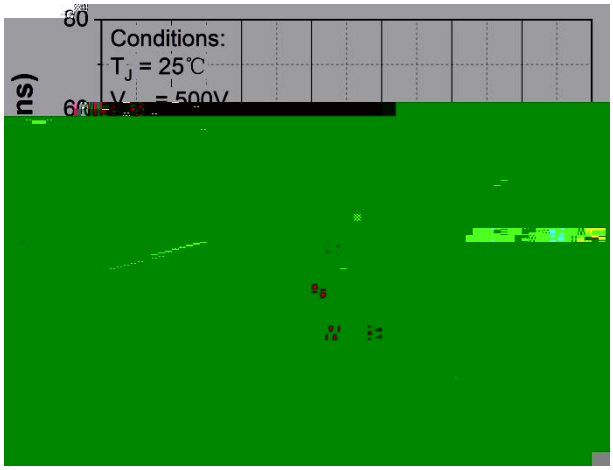

Conditions:

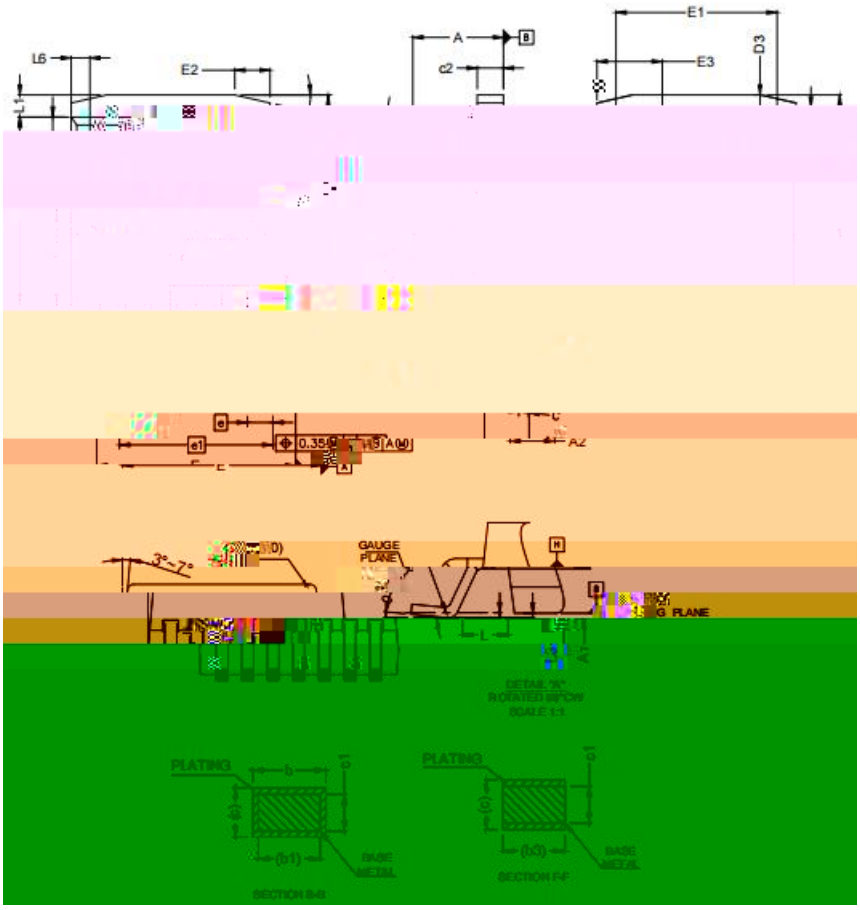

10000


300
250
200
0
-50
-25
0
25
50
75
100
125
150

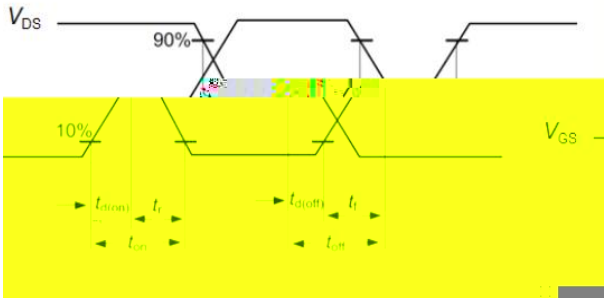

400
Conditions:
300
V_{DD} = 500V
I_D = 22A
200

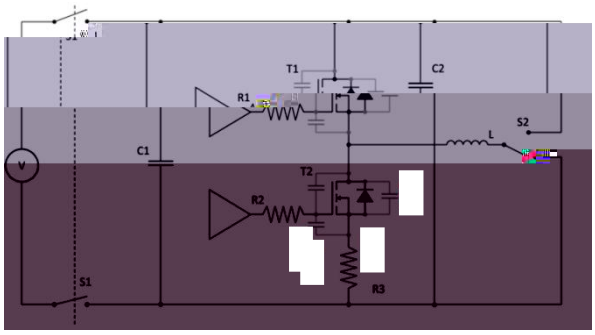

300
Conditions:
R_G = 2.5ohm
V_{DD} = 500V
I_D = 22A
200
E_{total}
100
E_{on}
E_{off}
0
25
50
75
100
125
150
175

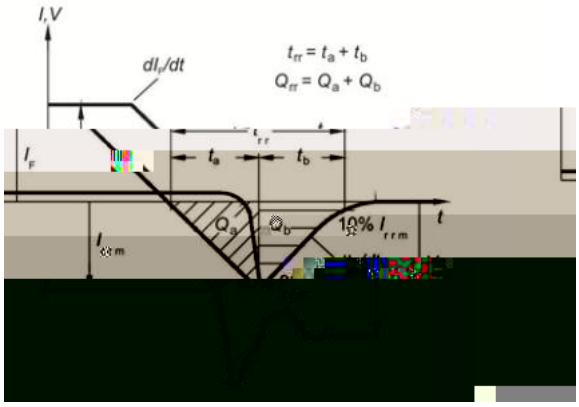

60
Conditions:
T_J = 25℃
60



SYMBOL	MIN	MAX	SYMBOL	MIN	MAX
A	4.30		L	1.78	2.79
A1					
					1.04BSC
b3	0.60	0.75	L6		0.93BSC
c	0.45	0.60	H	14.61	
	0.45	0.55			
c2	1.25				
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	1.65	1.95			
E3	3.04	3.44			
E4	3.21	3.61			
e	1.27 BSC				
e1	7.62 BSC				


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}

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



HTXLSPuLQXQRFDXEV Q

X

Qp, LRQ S r•

H

E Q