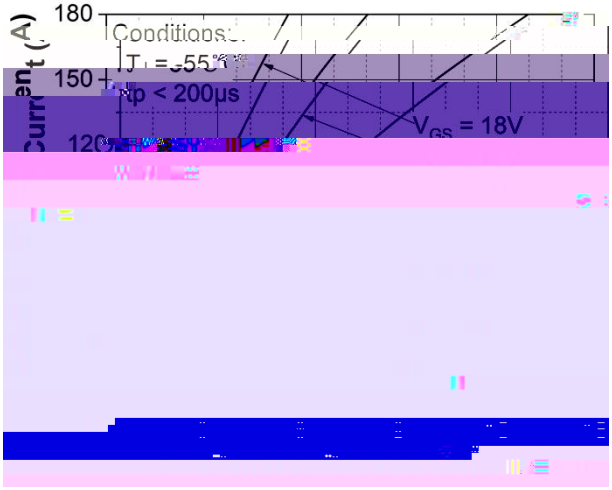
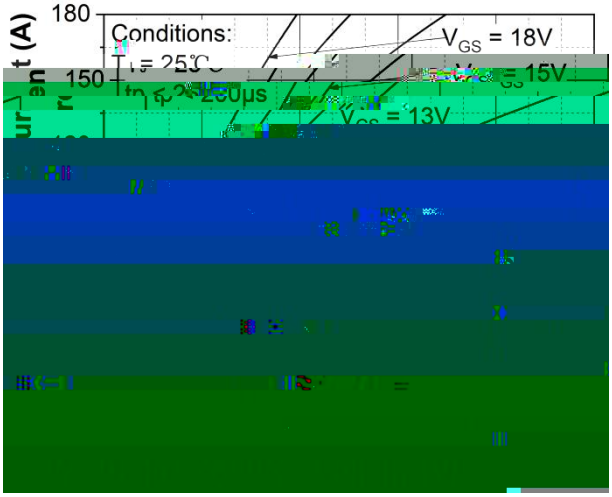


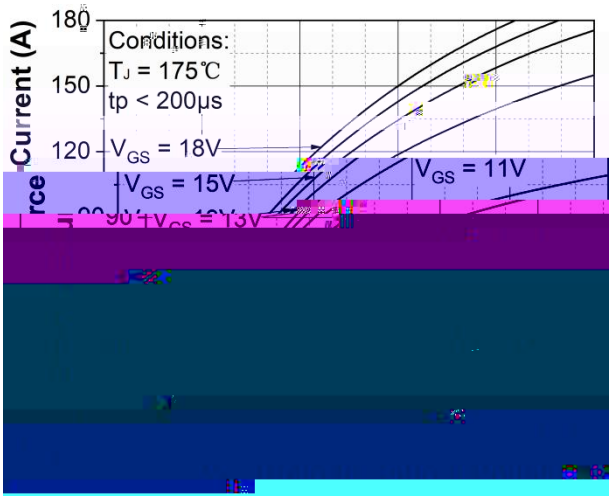

F
Cl
Halogen-Free
Br
I

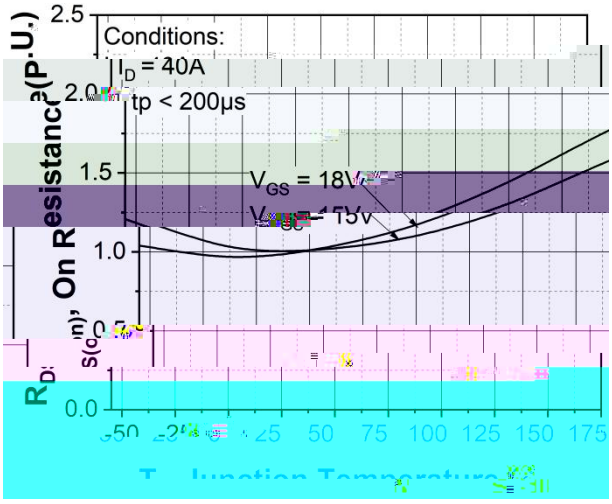
				≤	

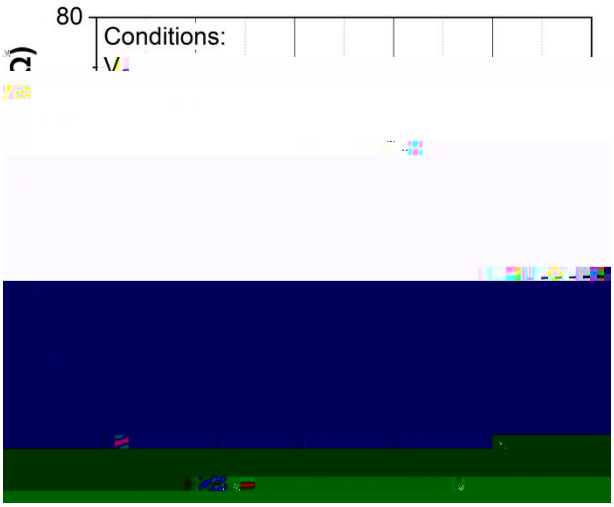
W

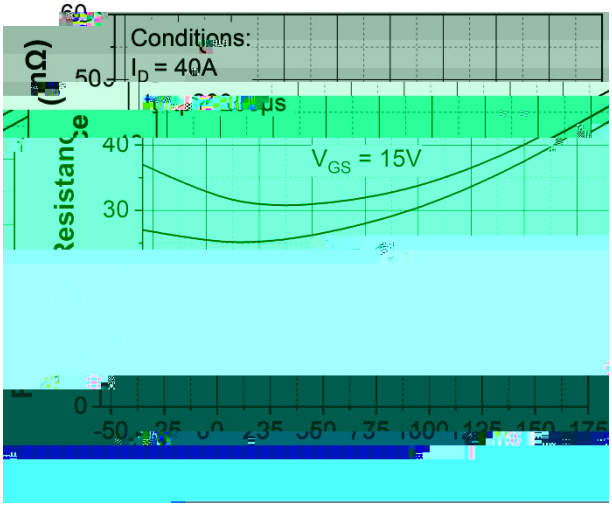

180
150
120
Conditions:
tp < 200µs
V_{GS} = 18V

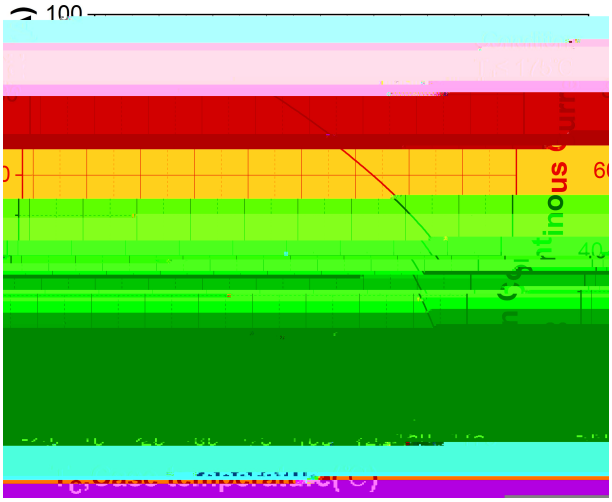

180
150
Conditions:
V_{GS} = 18V
V_{GS} = 15V
V_{GS} = 13V

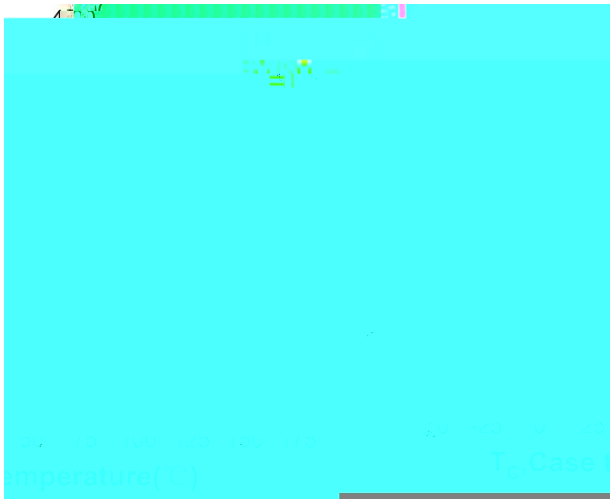

180
150
120
Conditions:
T_J = 175℃
tp < 200µs
V_{GS} = 18V
V_{GS} = 15V
V_{GS} = 11V

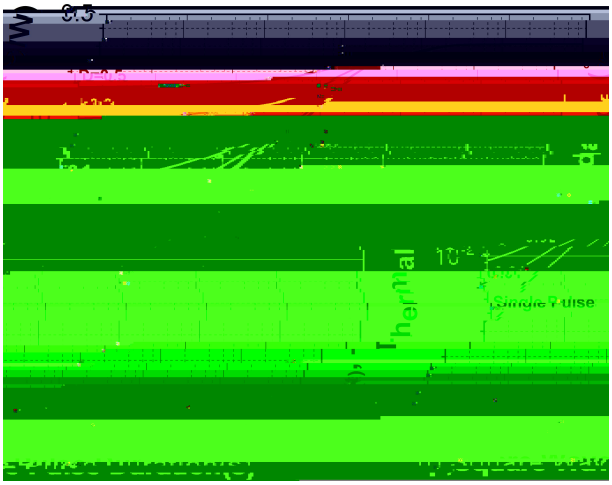

2.5
2.0
1.5
1.0
0.0
Conditions:
I_D = 40A
tp < 200µs
V_{GS} = 18V
V_{GS} = 15V

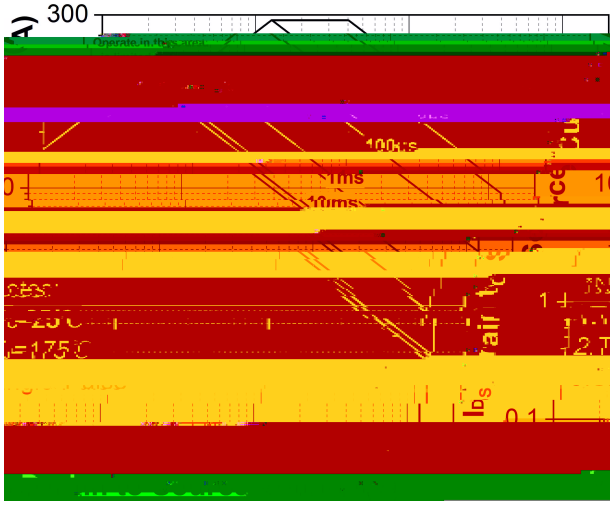

80
Conditions:

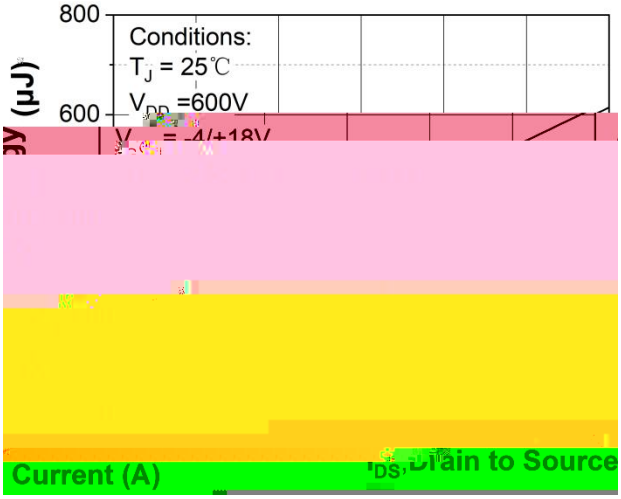

60
50
40
30
0
Conditions:
I_D = 40A
V_{GS} = 15V

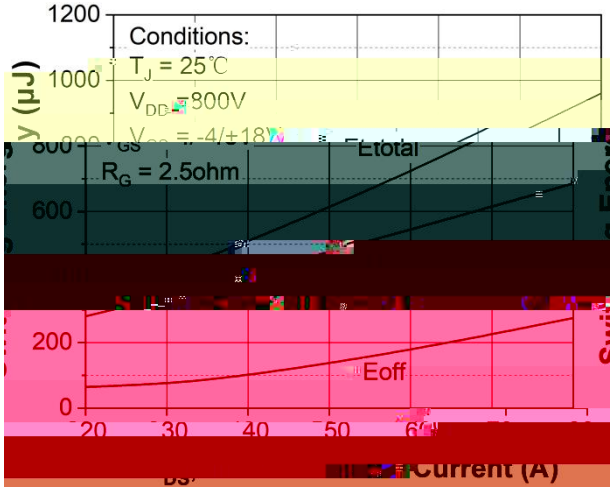


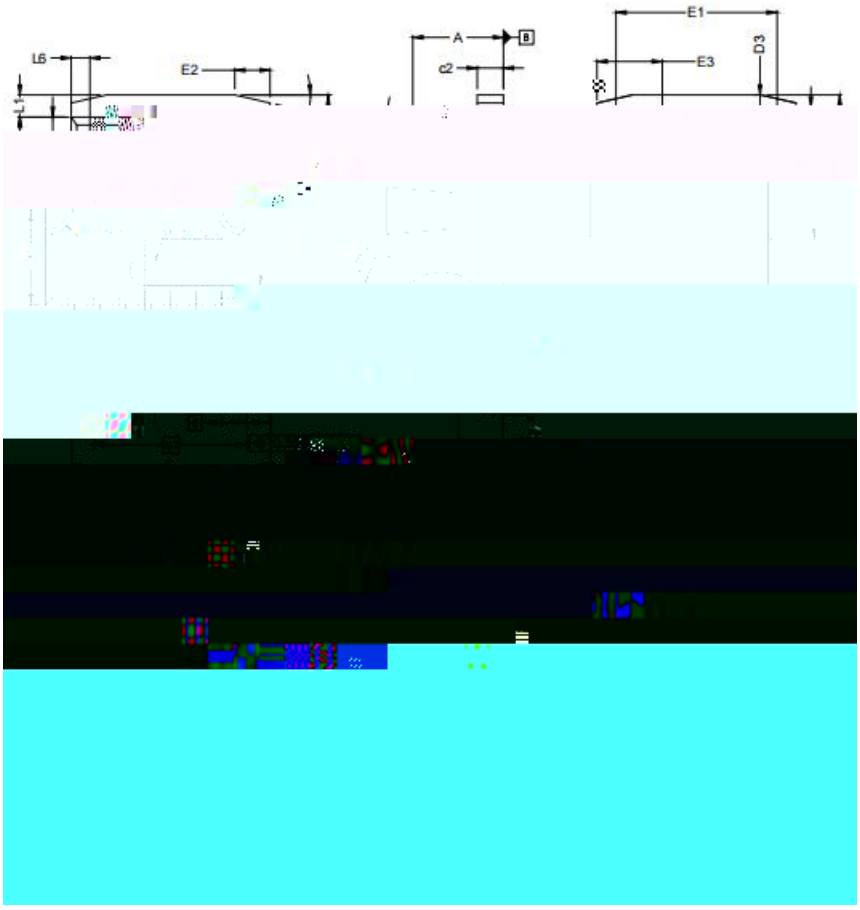




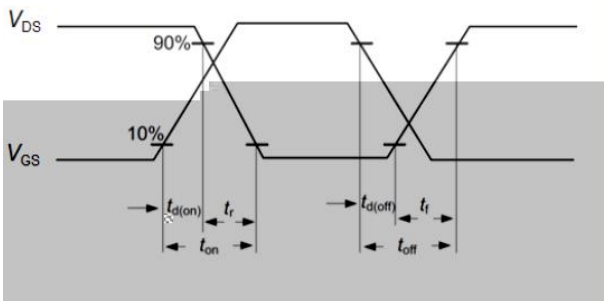


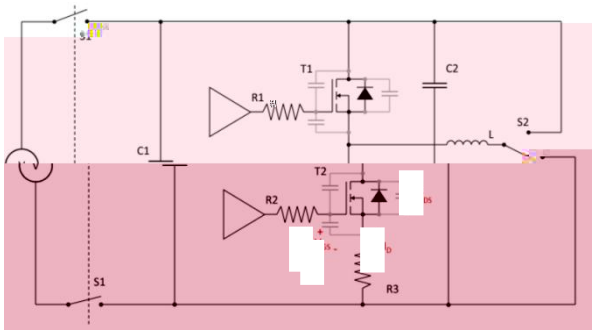

800
600
Conditions:
T_J = 25℃
V_{DD} =600V
Current (A)

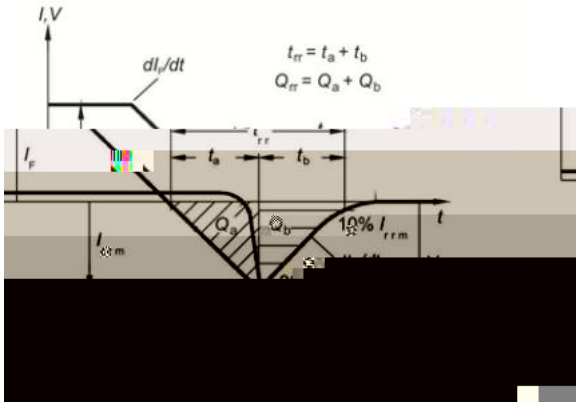

1200
1000
800
600
200
0
Conditions:
T_J = 25℃
V_{DD} =800V
R_G = 2.5ohm
Etotal
Eoff
20
30
40
50
Current (A)



SYMBOL	MIN	MAX	SYMBOL	MIN	MAX
A	4.30		L	1.78	2.
A1					1.
A2	2.02	2.42	L3		0.25BSC
b	0.50	0.70	L4		0.03BSC
b1	0.5				


V_{DS}
90%
10%
V_{GS}
$t_{d(on)}$
t_r
t_{on}
$t_{d(off)}$
t_f
t_{off}


S2
T1
C2
R1
S2
L
C1
T2
R2
S1
R3


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

		——	——
		——	——
			——