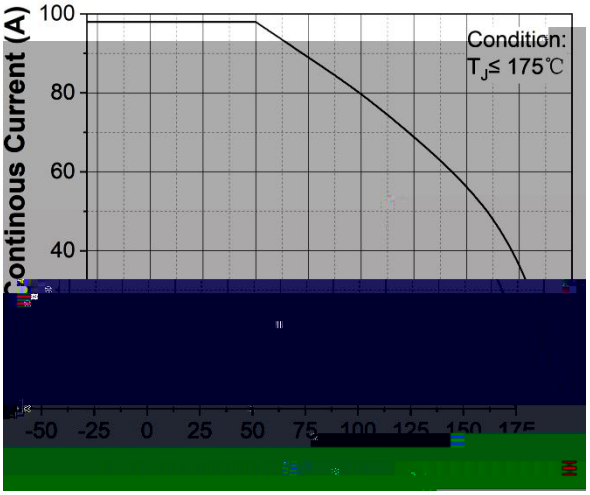
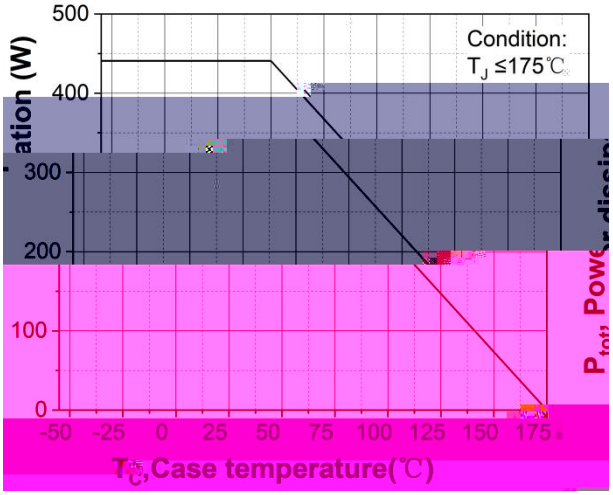
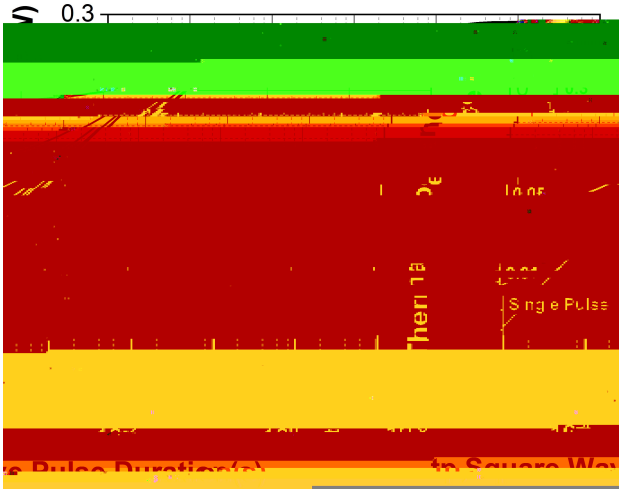
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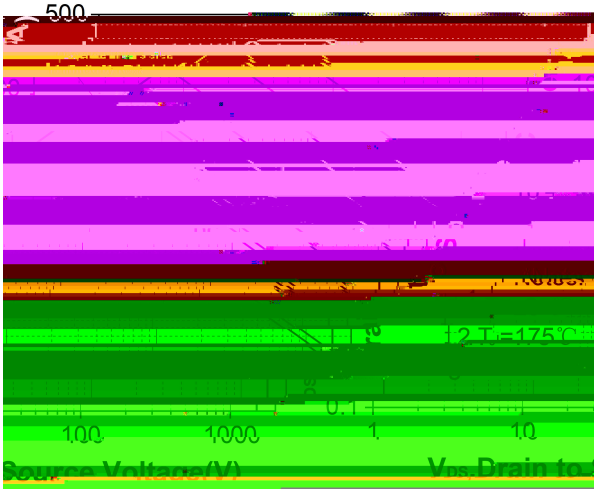

F
Cl
Halogen-Free
Br
I

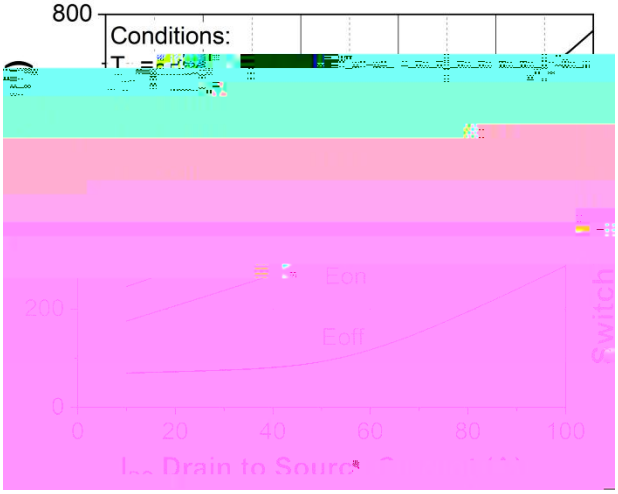
≤

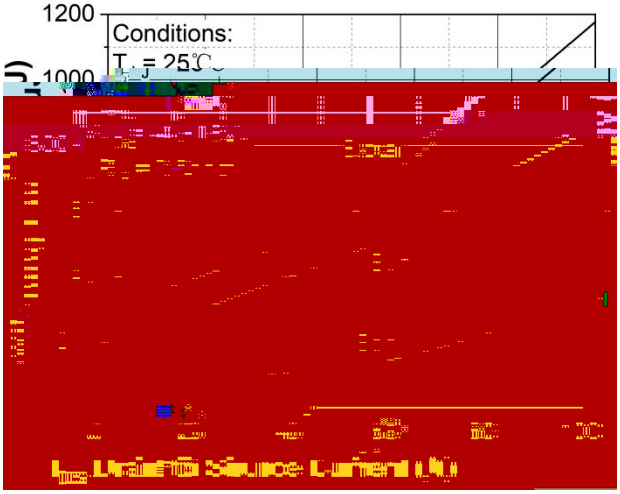

Continous Current (A)
100
80
60
40
Condition:
$T_J \leq 175℃$
-50 -25 0 25 50 75

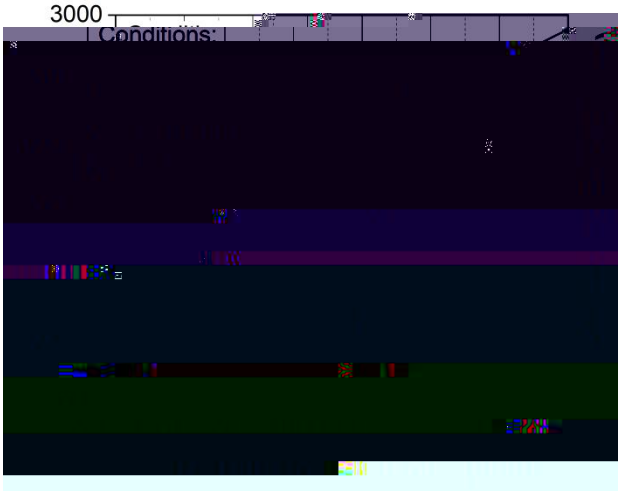

ation (W)
500
400
300
200
100
0
Condition:
$T_J \leq 175℃$
-50 -25 0 25 50 75 100 125 150 175
T_C,Case temperature(℃)

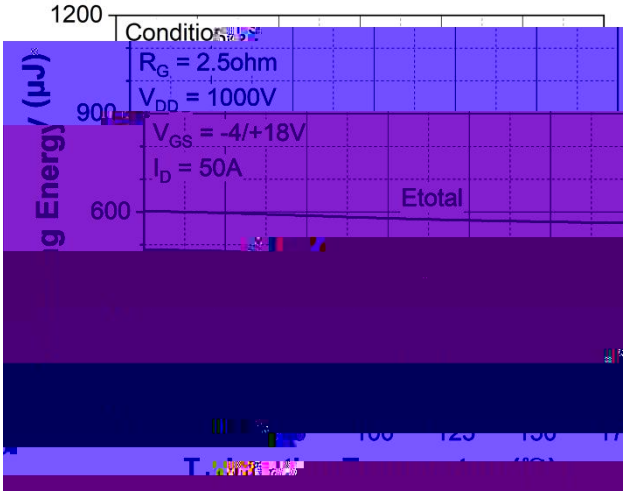

0.3
Single Pulse

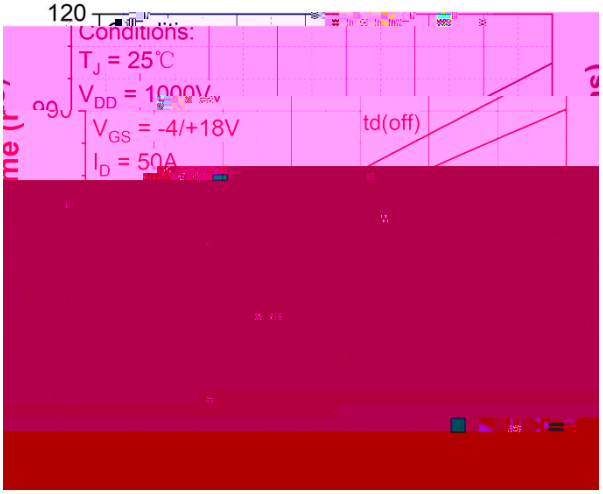

500
100
1000
1
10
0.1

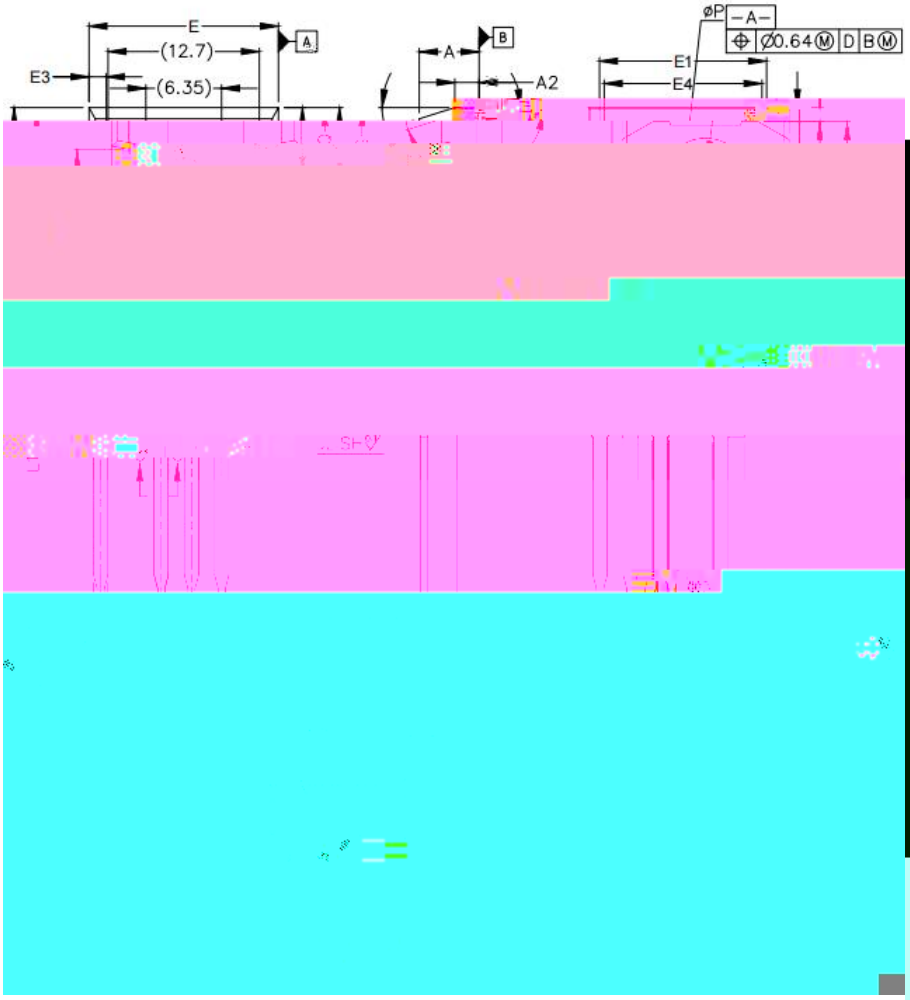

800
Conditions:
Eon
Eoff
200
0
0
20
40
60
80
100


1200
Conditions:
1000

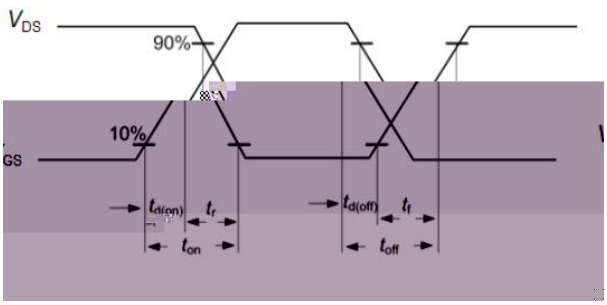

3000
Conditions:

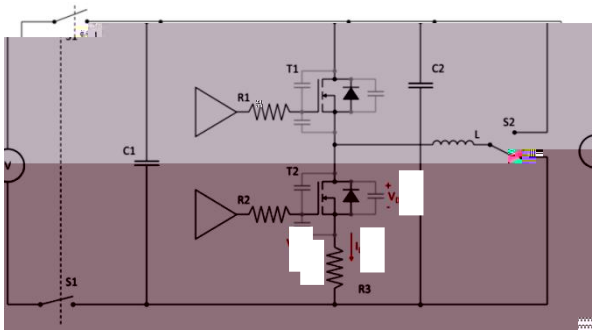

1200
Conditions:
R_G = 2.5ohm
V_{DD} = 1000V
900
V_{GS} = -4/+18V
I_D = 50A
Etotal
600
g Energy (μJ)

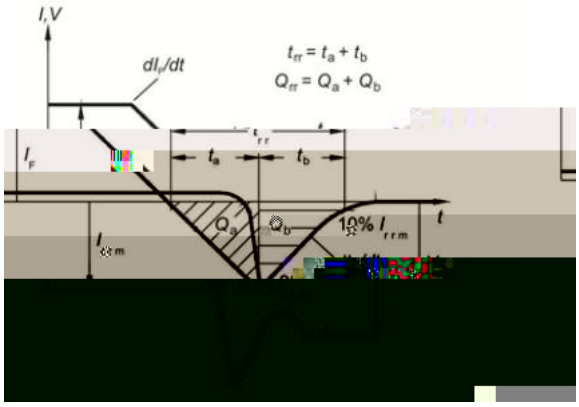

120
Conditions:
T_J = 25℃
V_{DD} = 1000V
V_{GS} = -4/+18V
I_D = 50A
td(off)



SYMBOL	MILLIMETERS	
	MIN	MAX
A	4.83	5.21
A1	2.29	


V_{DS}
90%
10%
$t_{d(on)}$
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}
t

		——	——
			——