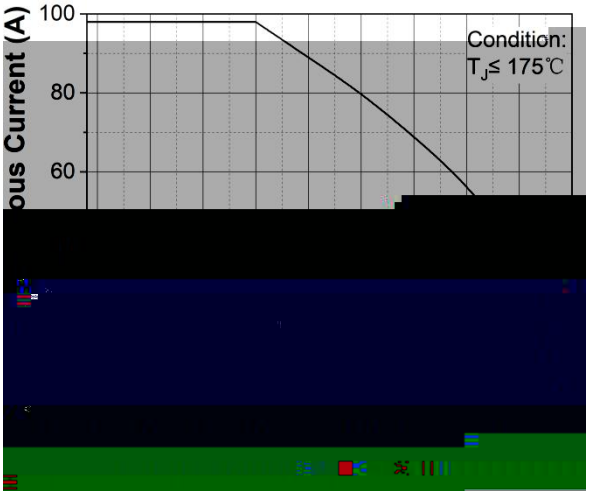
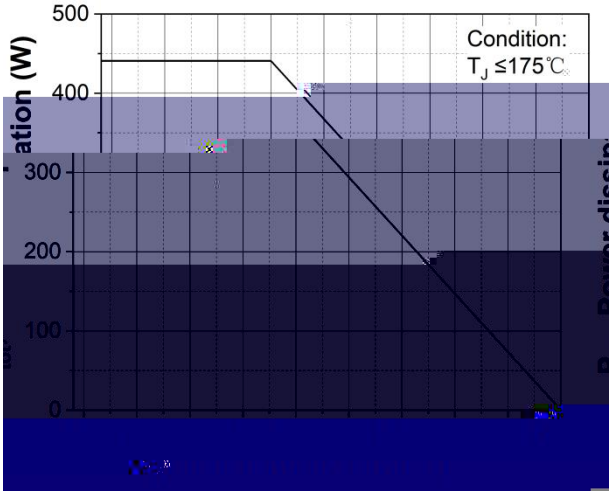
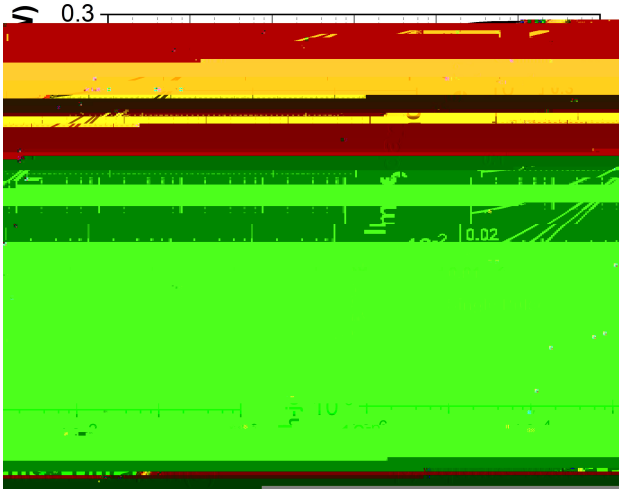
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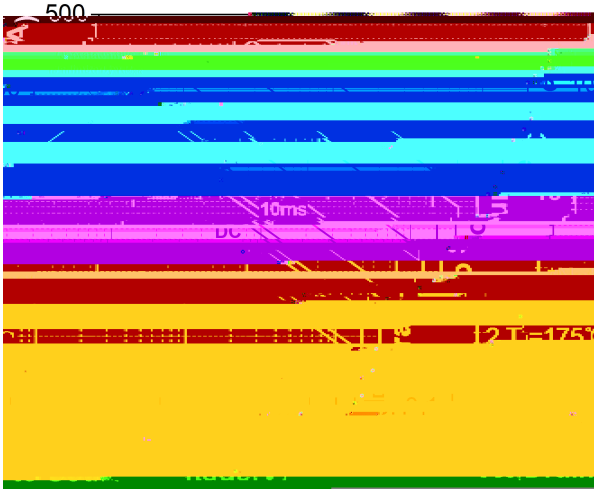

F
Cl
Halogen-Free
Br
I

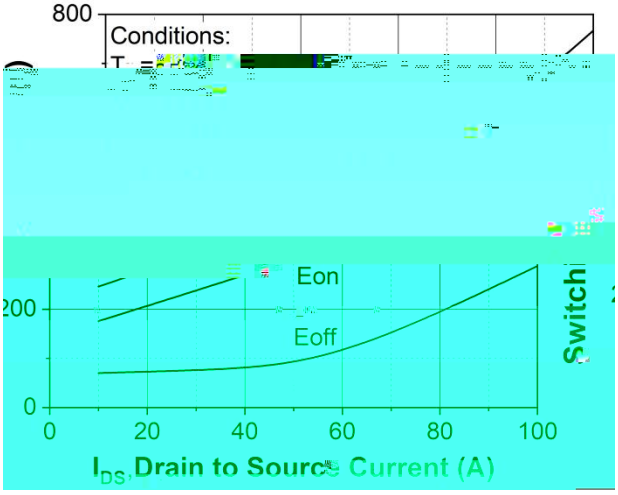
≤

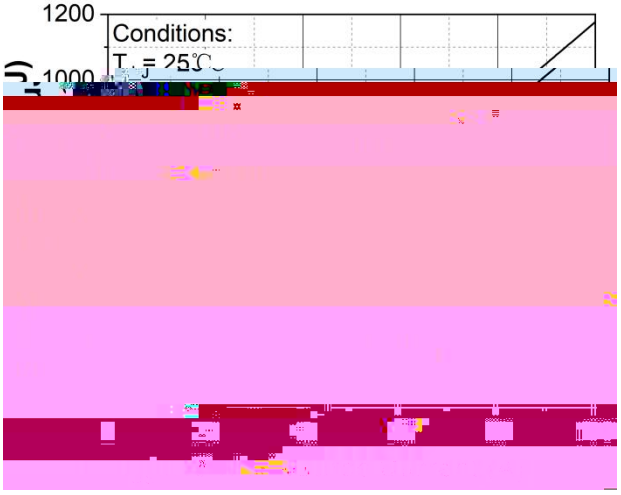

100
80
60
Condition:
$T_J \leq 175℃$

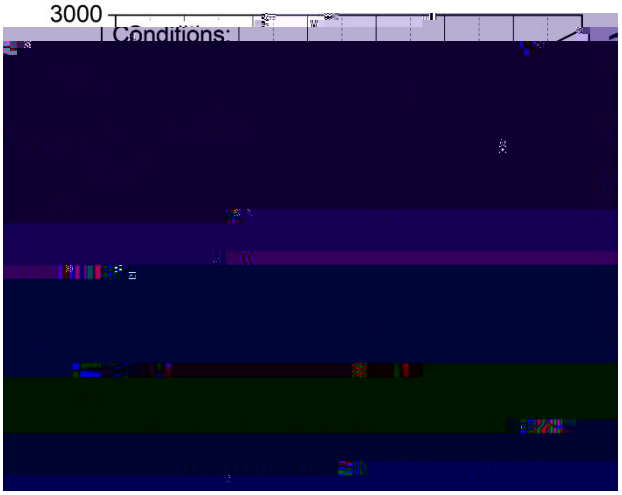

500
400
300
200
100
0
Condition:
$T_J \leq 175℃$

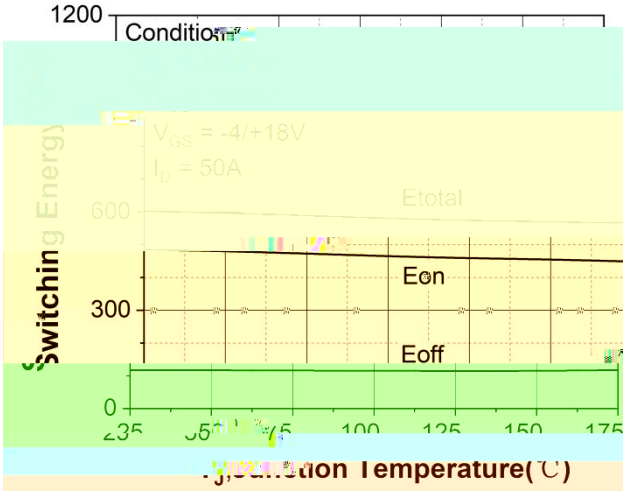

0.3
0.02

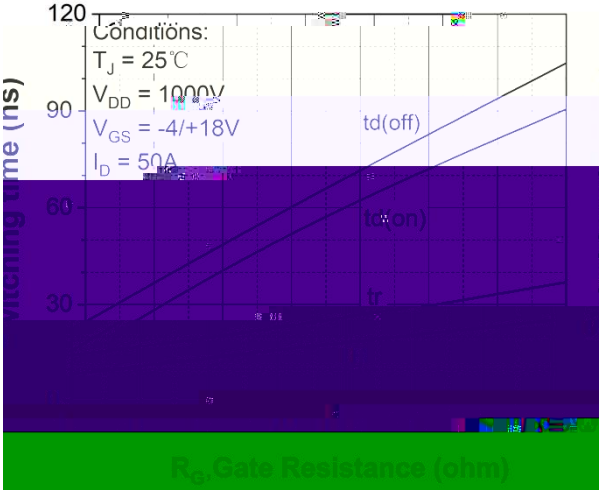

500
10ms

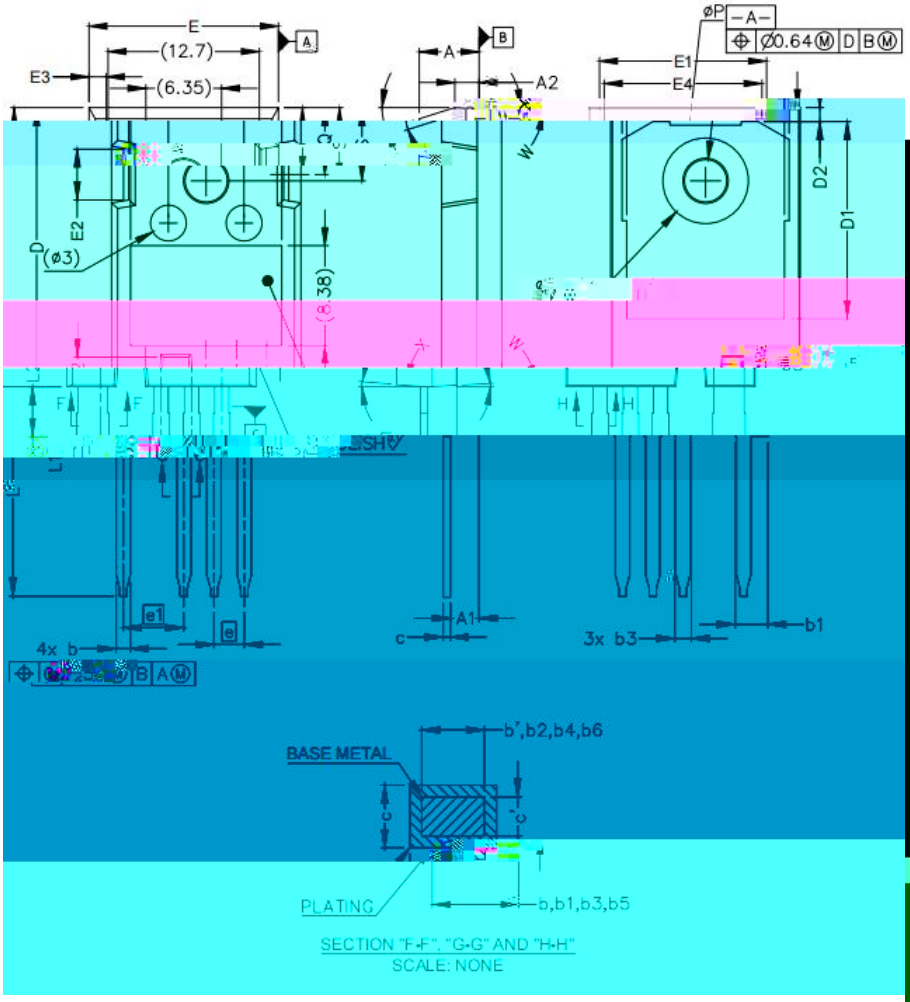

800
Conditions:
Eon
Eoff
200
0
0
20
40
60
80
100
I_{DS}, Drain to Source Current (A)


1200
Conditions:
1000

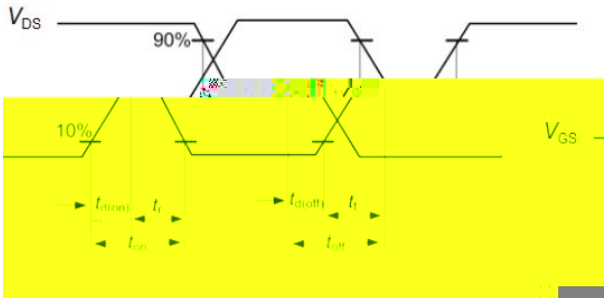

3000
Conditions:

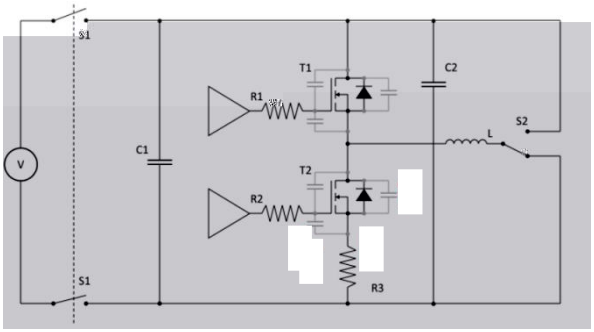

1200
Condition
V_{GS} = -4/+18V
I_D = 50A
Etotal
600
Eon
300
Eoff
0
Switching Energy
Tj,Junction Temperature(℃)

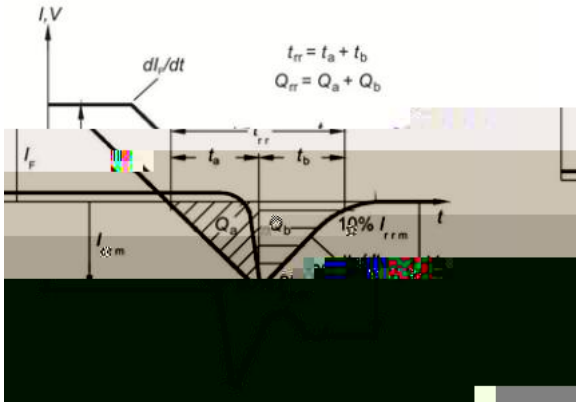

120
Conditions:
T_J = 25℃
V_{DD} = 1000V
V_{GS} = -4/+18V
I_D = 50A
90
td(off)
60
td(on)
30
tr
Switching time (ns)
R_G,Gate Resistance (ohm)



SYMBOL	MILLIMETERS	
	MIN	MAX
A	4.83	5.21
A1	2.29	


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


S1
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}

		——	——
			——