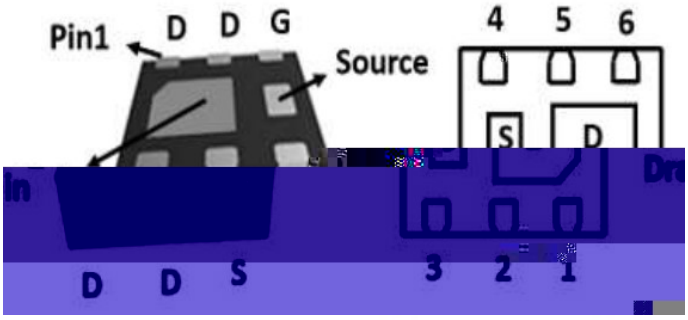
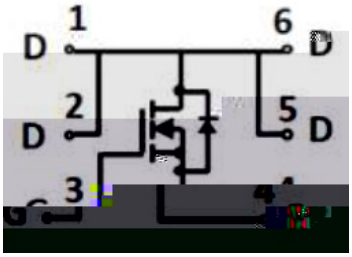
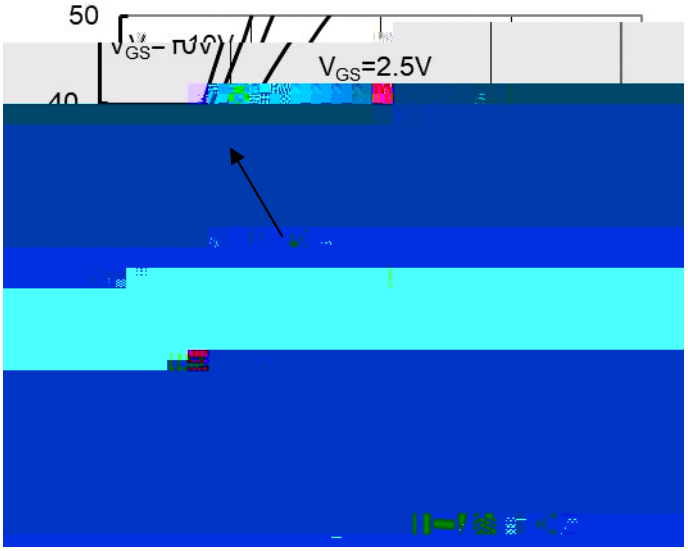
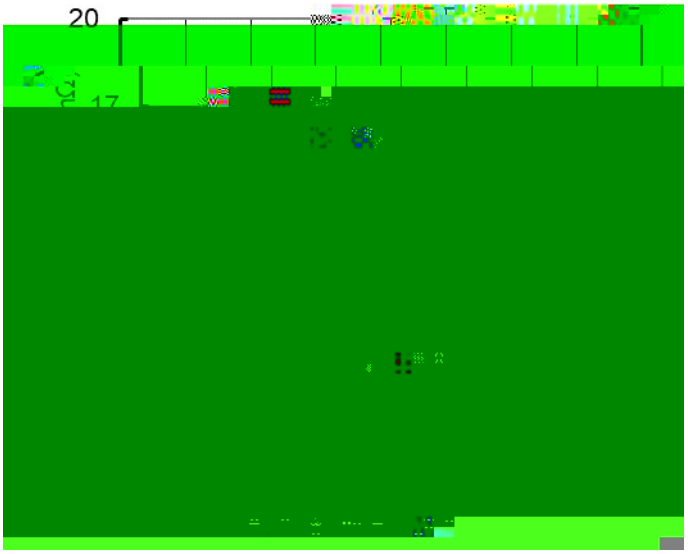
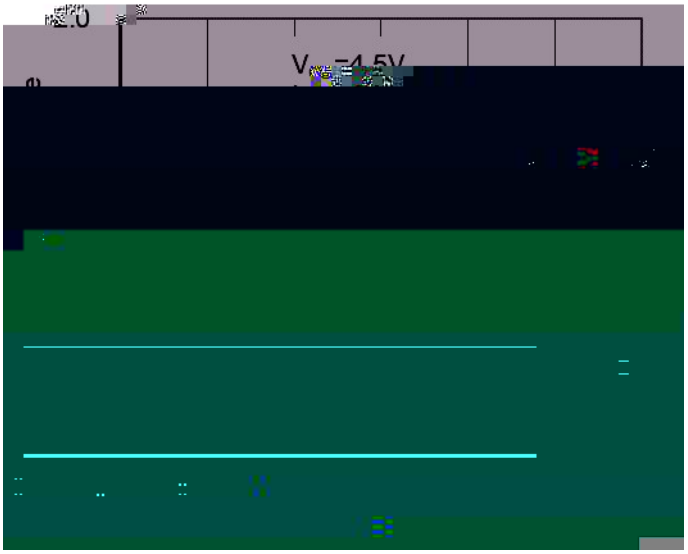
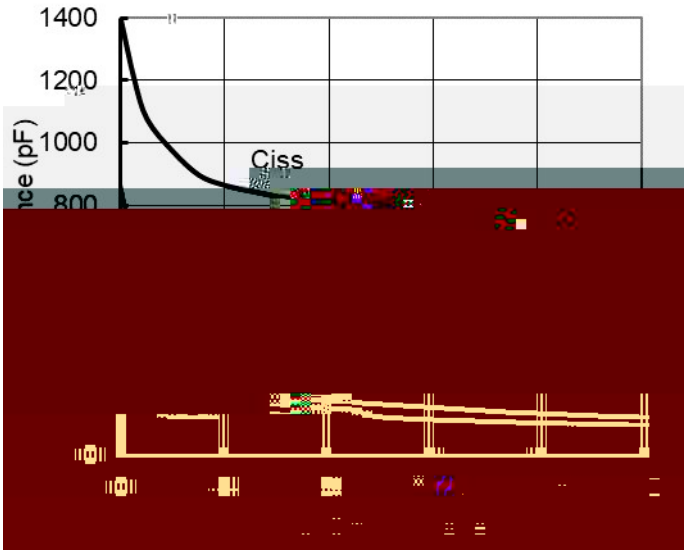

Pin1
D D G
Source
4 5 6
S D
D D S
3 2 1

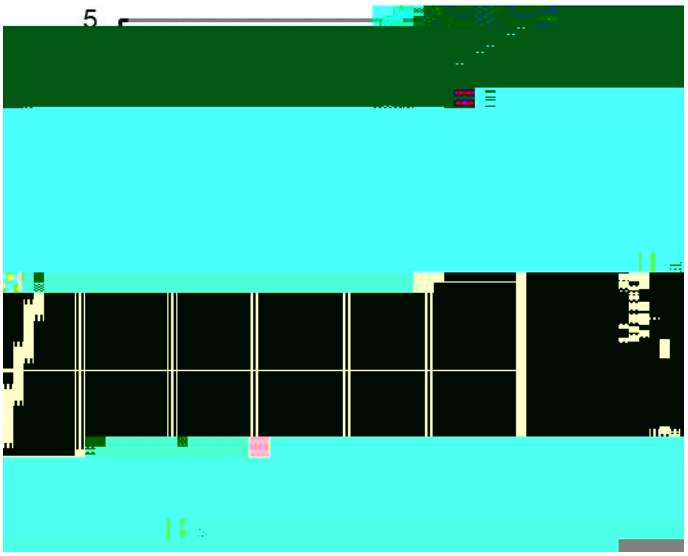

1
6
D
D
2
5
D
D
3
4

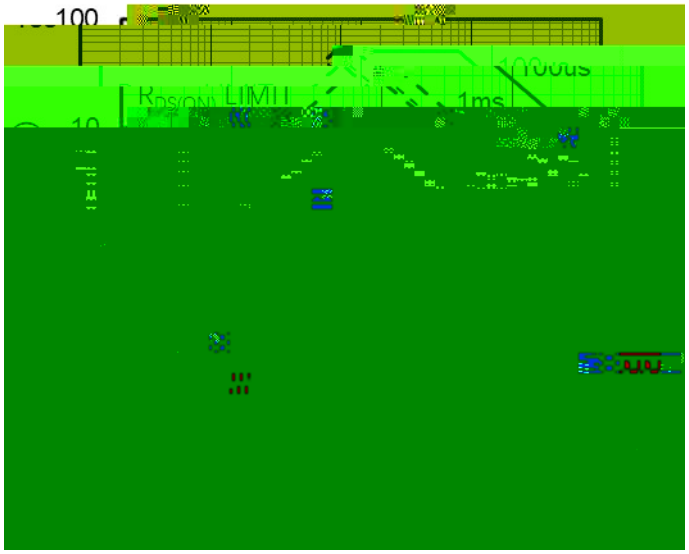

50
40
VGS=2.5V

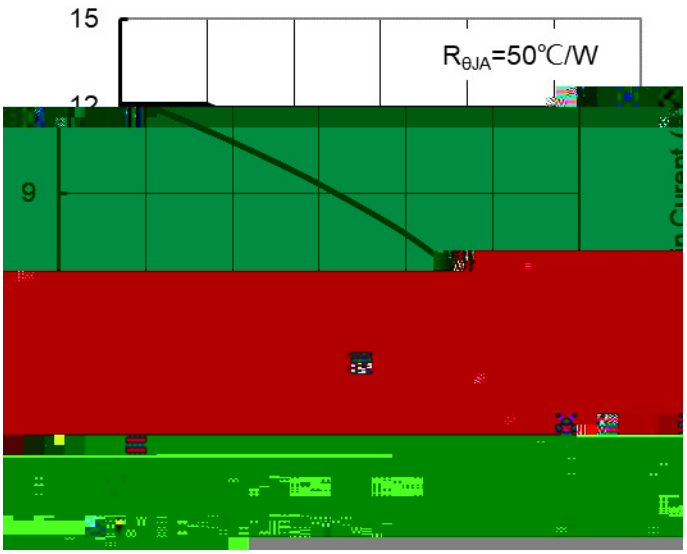

20
17

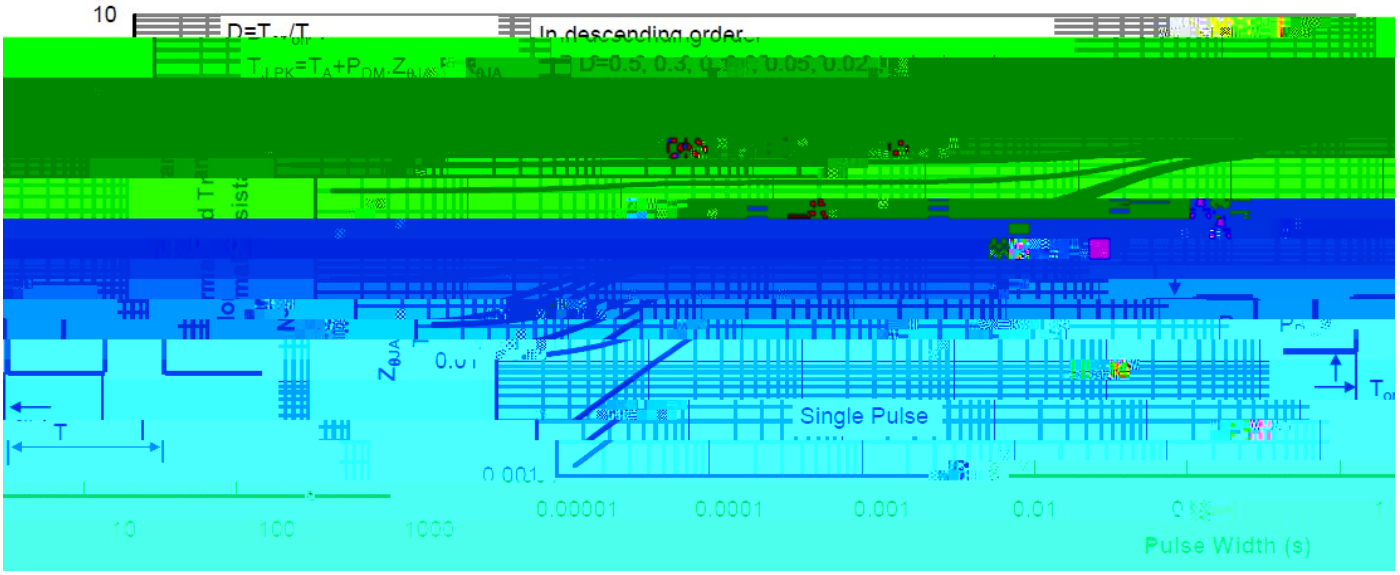

20
VGS=4.5V

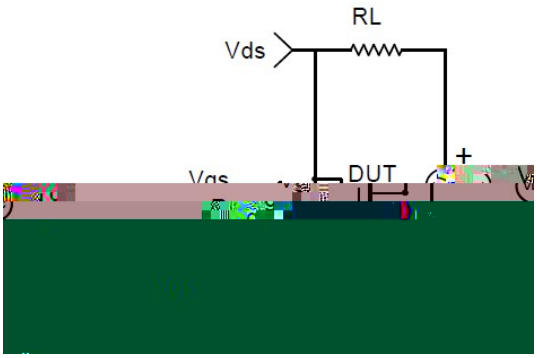

1400
1200
1000
800
Ciss

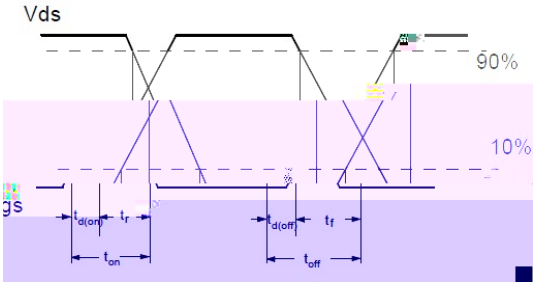

5

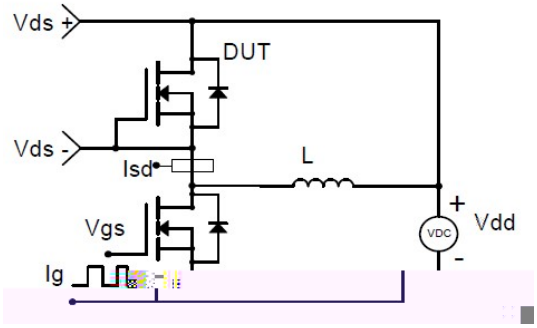

100
10
1ms

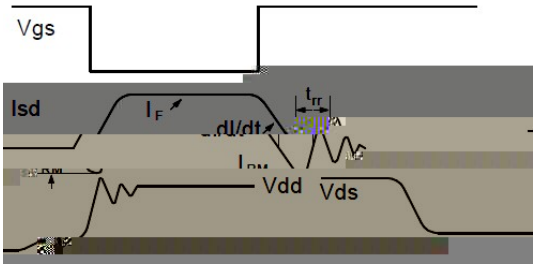

15
12
9
$R_{\theta JA}$=50℃/W

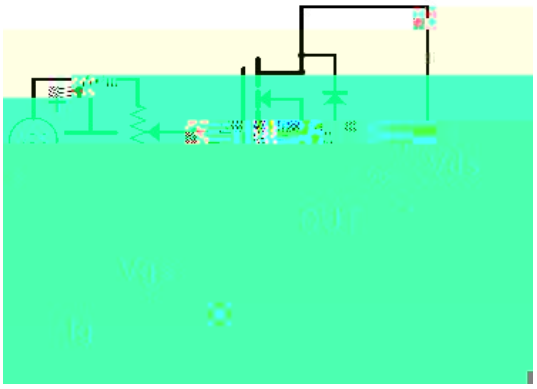

10
D=T1/T2
In descending order
D=0.5, 0.3, 0.1, 0.05, 0.02, 0
$Z_{\theta JA}$
0.01
0.001
Single Pulse
T
0.00001
0.0001
0.001
0.01
10
100
1000
Pulse Width (s)

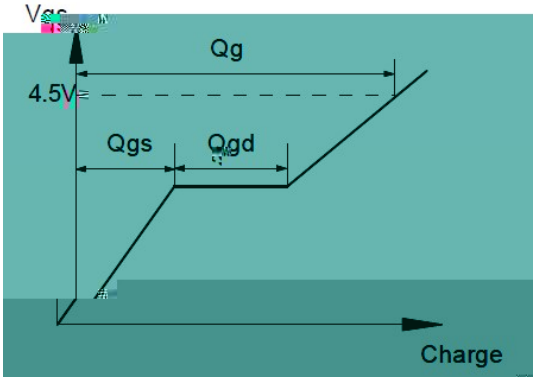

RL
Vds
DUT
+

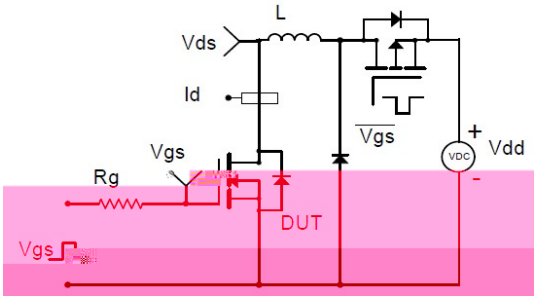

Vds
90%
10%
$t_{d(on)}$
t_r
$t_{d(off)}$
t_f
t_{on}
t_{off}

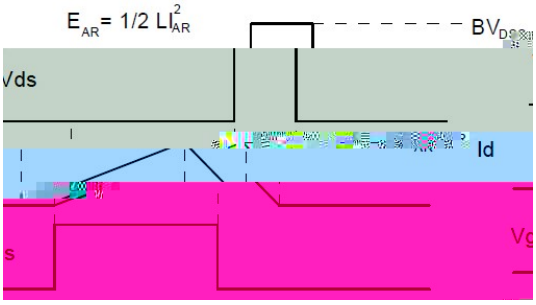

Vds +
DUT
Vds -
Isd
L
Vgs
Ig
VDC
+
Vdd
-

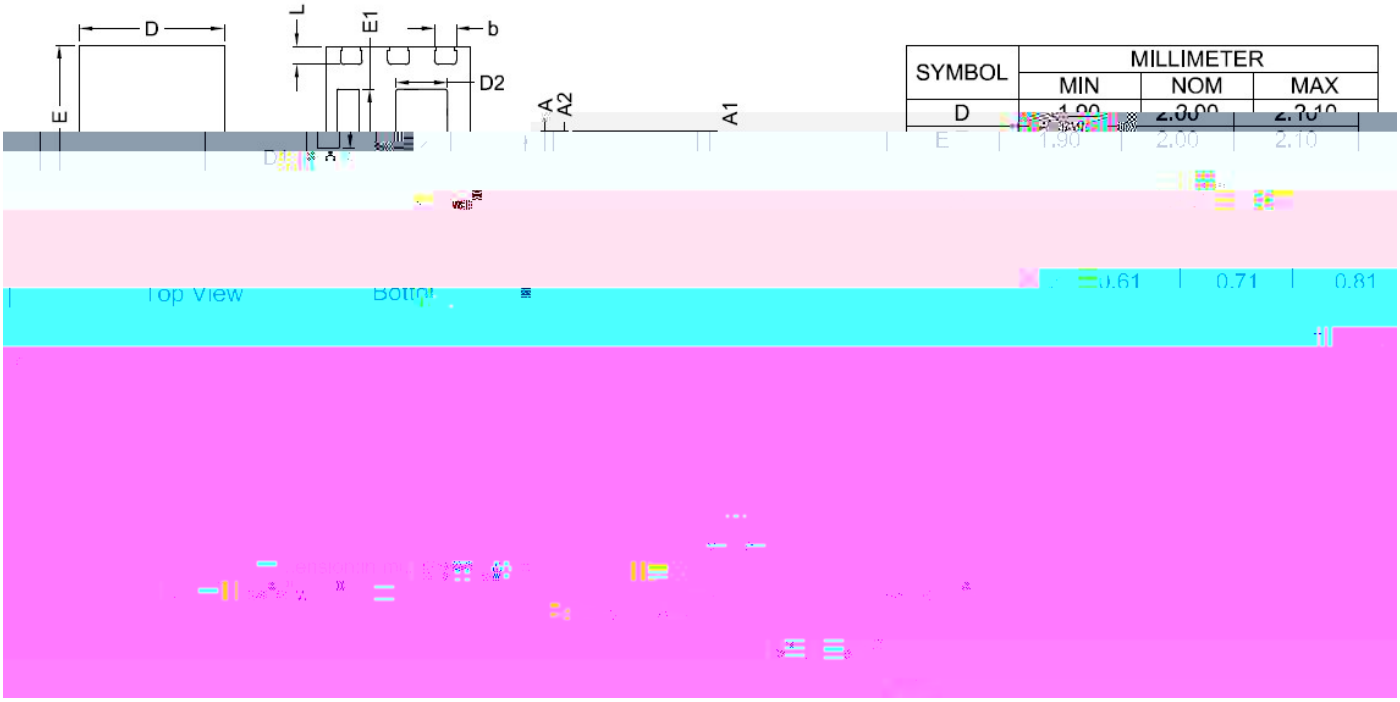

Vgs
Isd
I_F
t_{rr}
dI/dt
Vdd
Vds




Qg
4.5V
Qgs
Qgd
Charge


L
Vds
Id
Vgs
Rg
DUT
Vgs
VDC
+
Vdd
-


$E_{AR} = 1/2\ LI_{AR}^2$
BV_{DS}
Vds
Id



SYMBOL	MILLIMETER		
	MIN	NOM	MAX
D	1.90	2.00	2.10
E	1.90	2.00	2.10
[illegible]	0.61	0.71	0.81