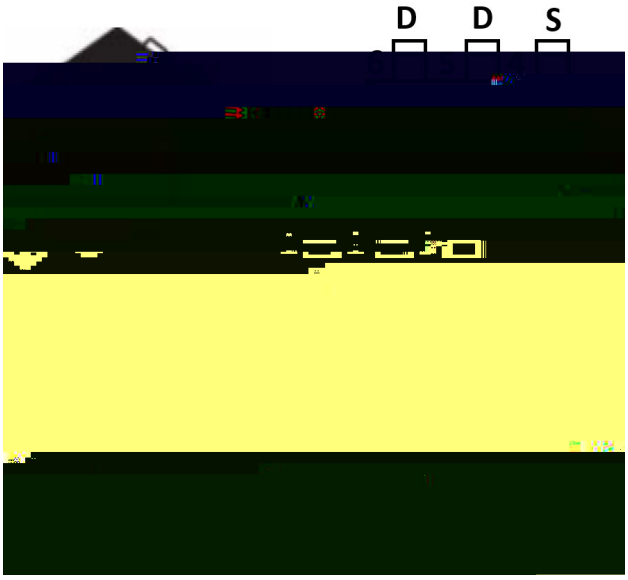
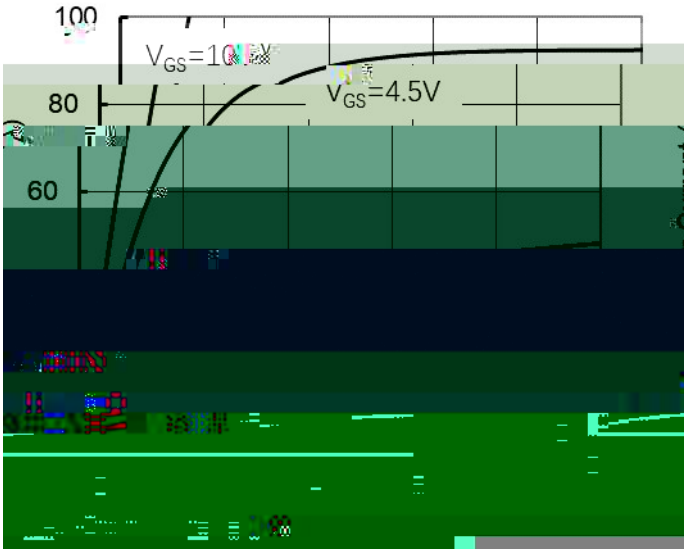
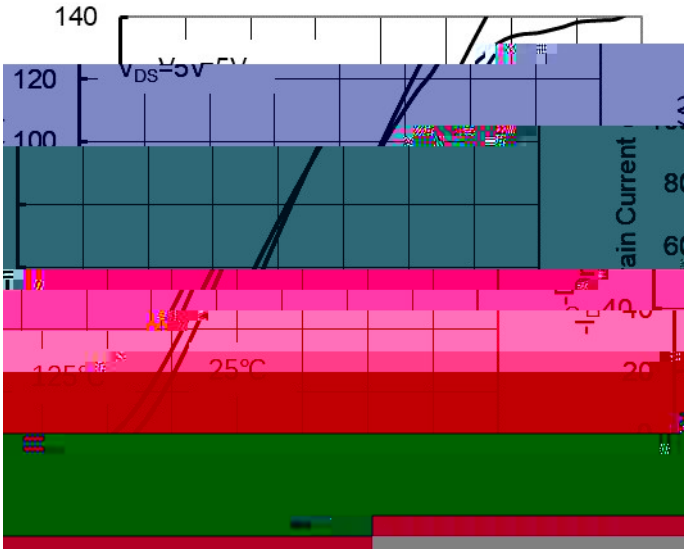
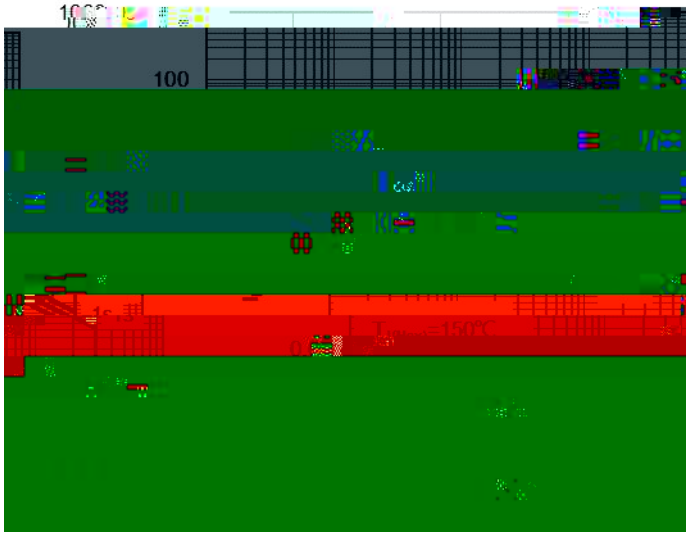
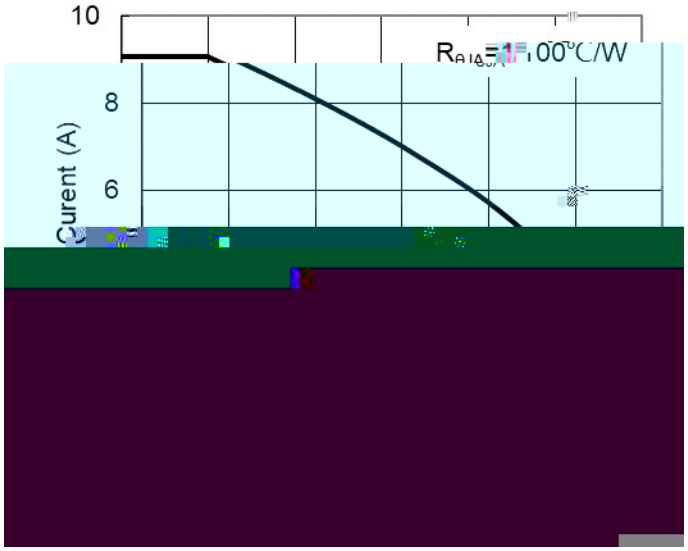
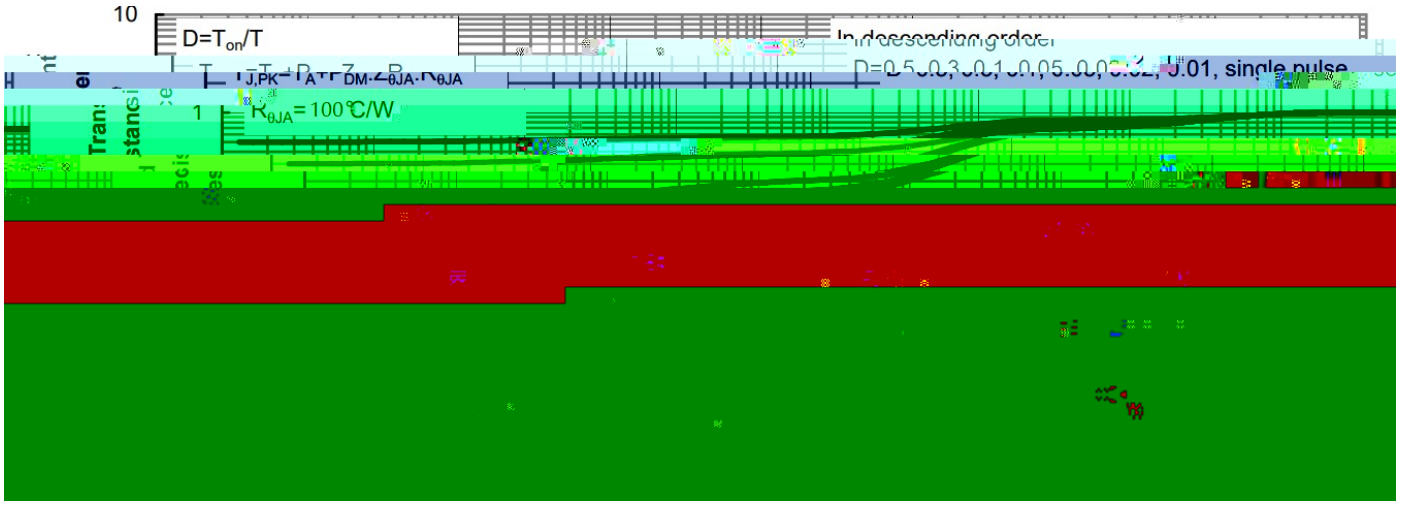

D
D
S

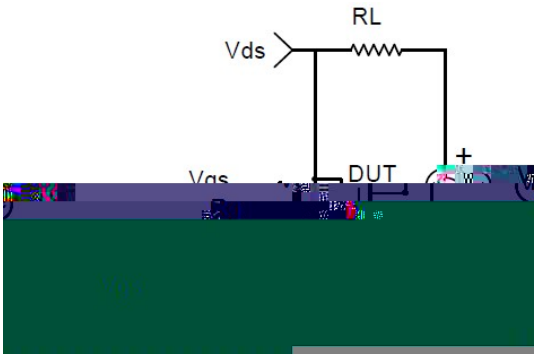

100
80
60
V_{GS}=4.5V

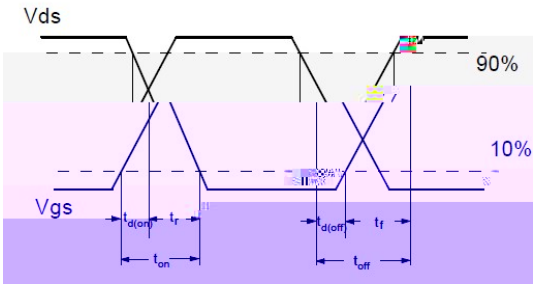

140
120
100
25℃

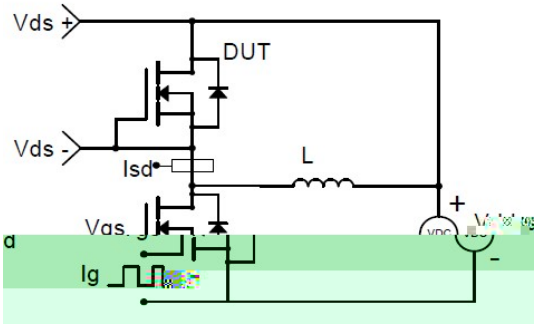

100

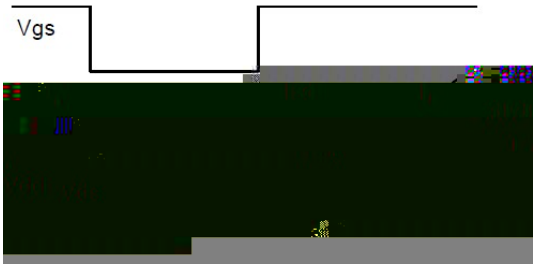

10
8
6
Current (A)

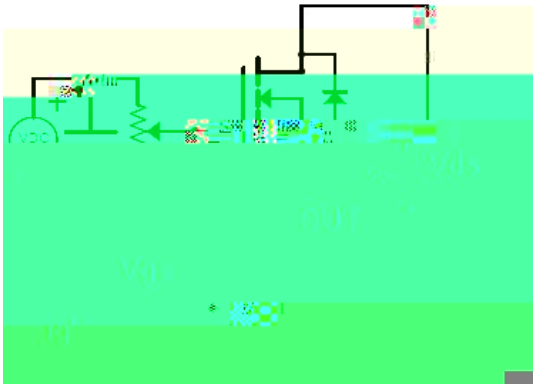

10
D=Ton/T
1
RθJA=100℃/W

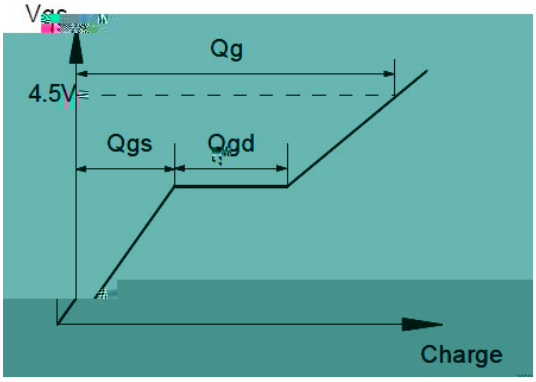

RL
Vds
DUT
Vgs

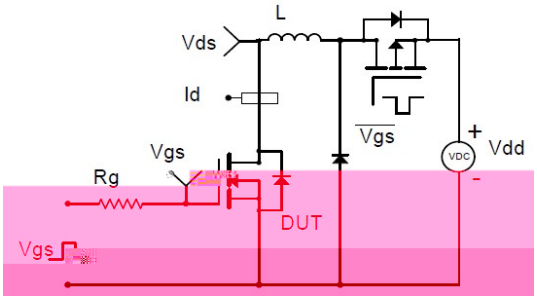

Vds
90%
10%
Vgs
$t_{d(on)}$
t_r
t_{on}
$t_{d(off)}$
t_f
t_{off}

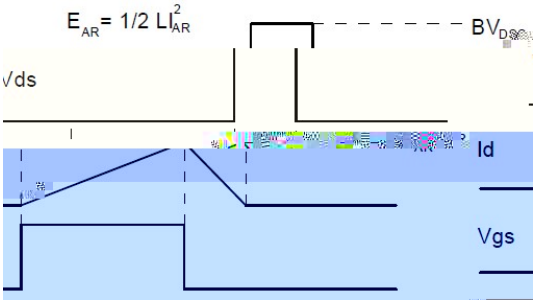

Vds +
DUT
Vds -
Isd
L
Vgs
Ig
VDC

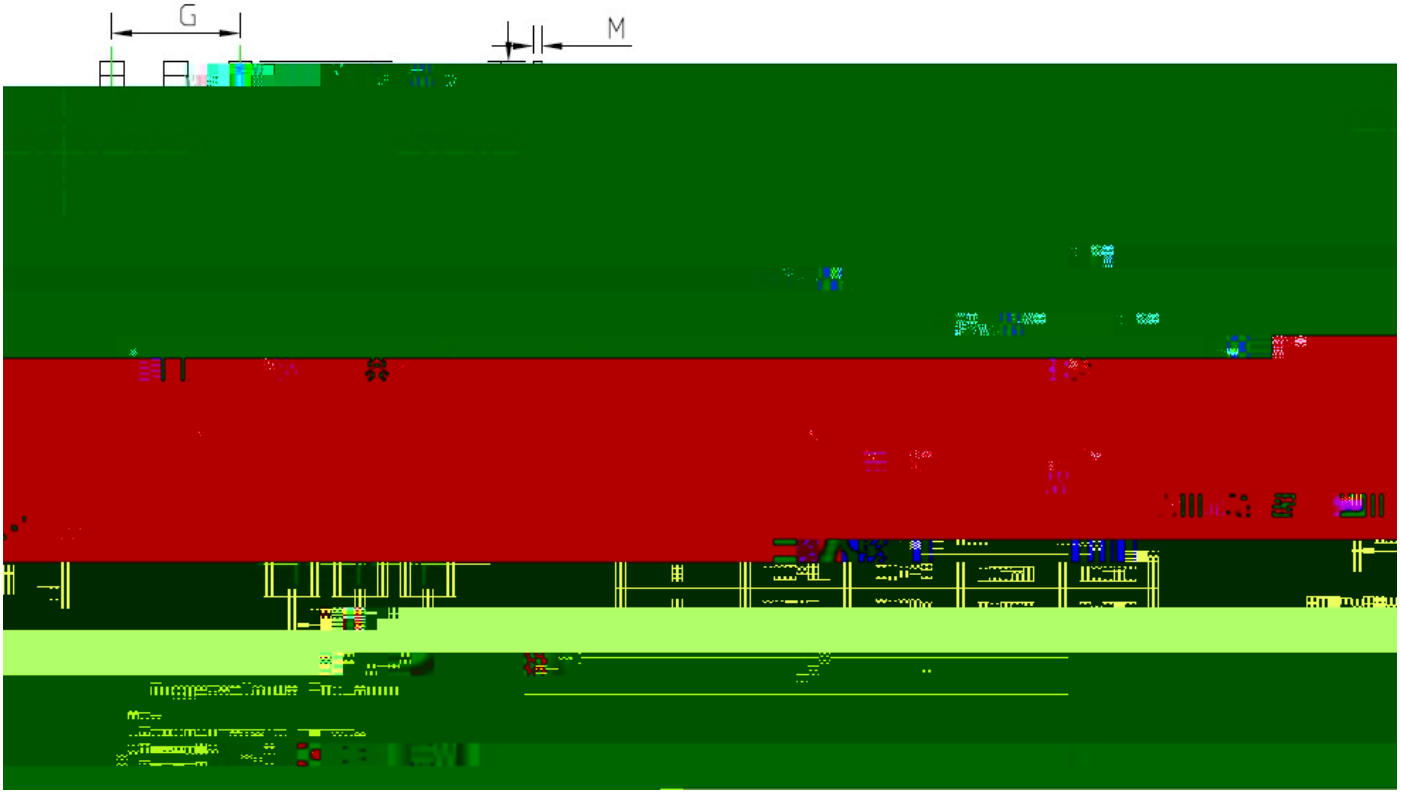

Vgs


VDC


Qg
4.5V
Qgs
Qgd
Charge


L
Vds
Id
Vgs
Rg
DUT
Vgs
VDC
Vdd


E_{AR} = 1/2 LI_{AR}^2
BV_{DSS}
Vds
Id
Vgs


G
M