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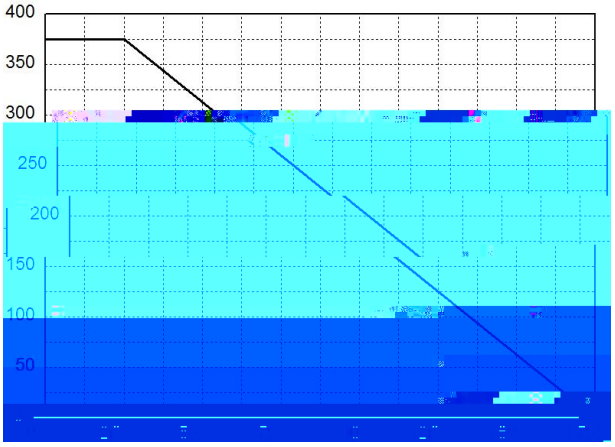
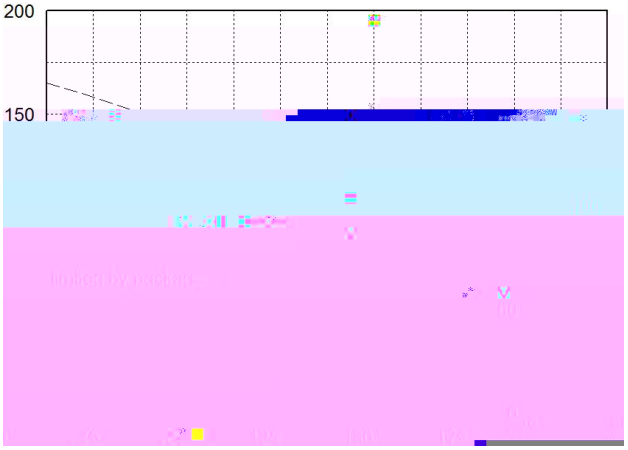
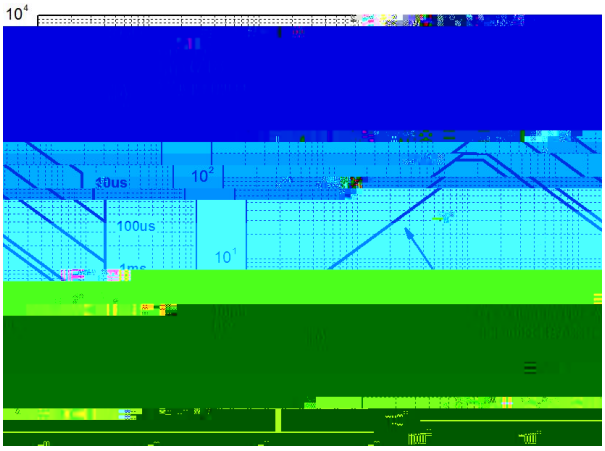
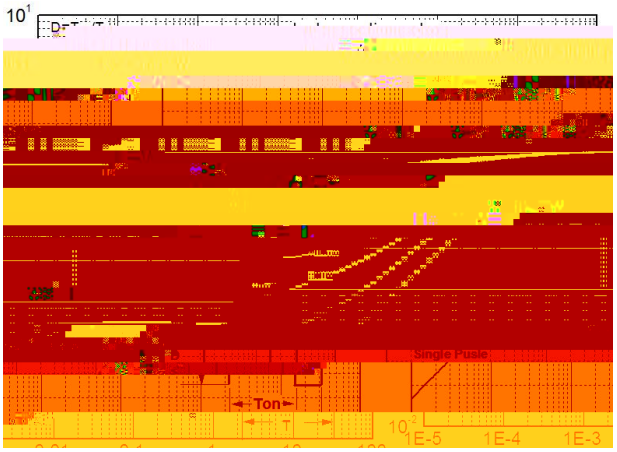
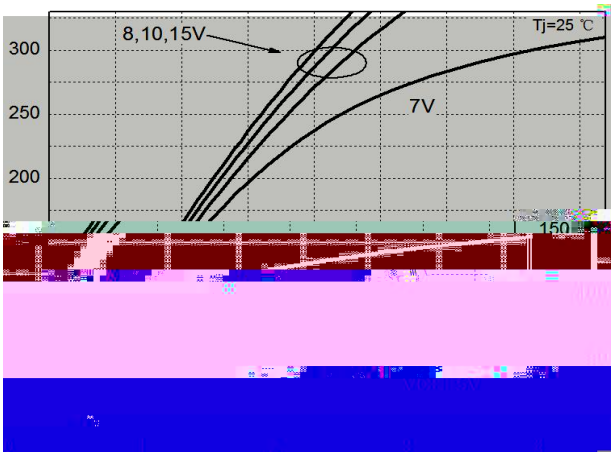
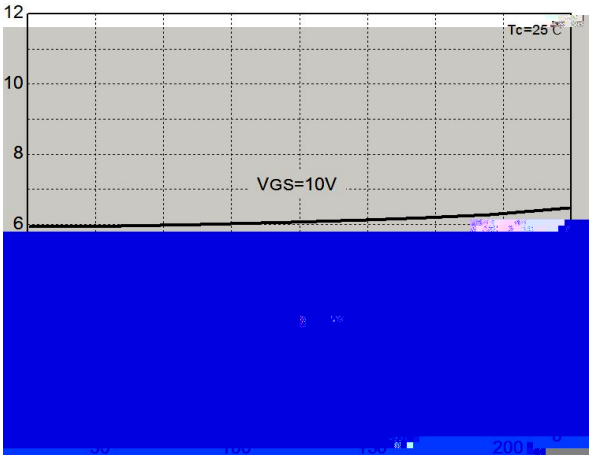

400
350
300
250
200
150
100
50

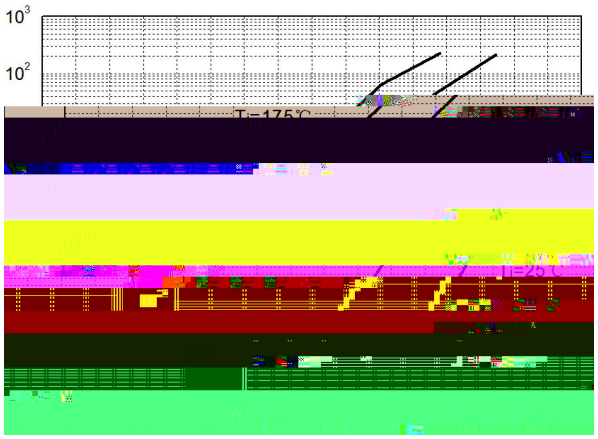

200
150

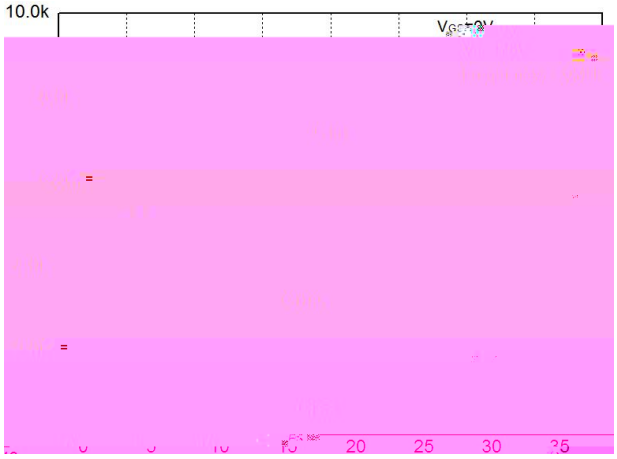

10us
100us

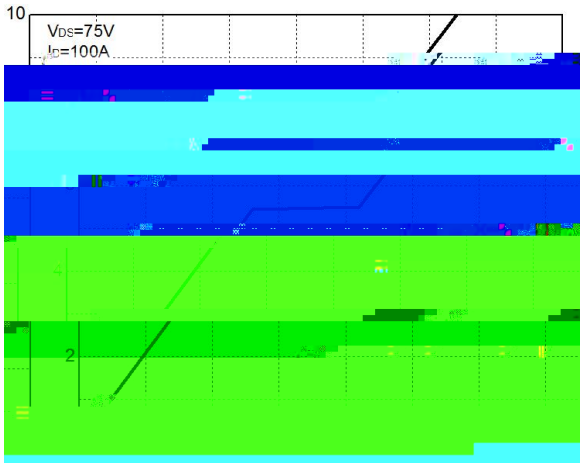

Ton
1E-5
1E-4
1E-3

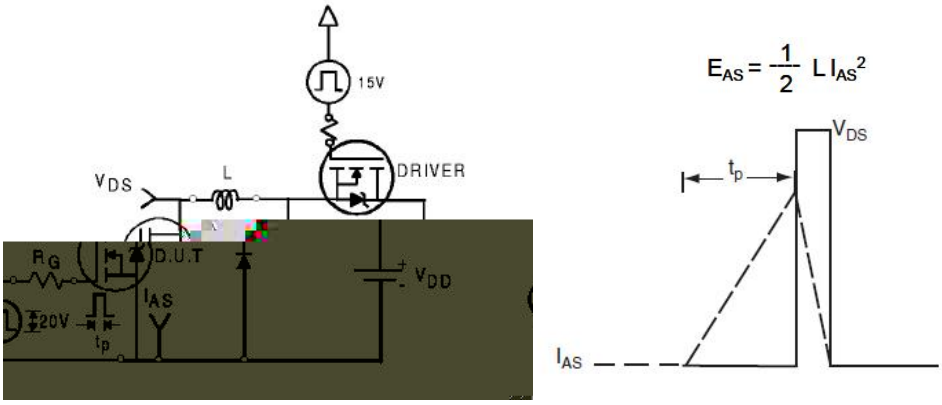

8,10,15V
Tj=25 ℃
7V
300
250
200
150

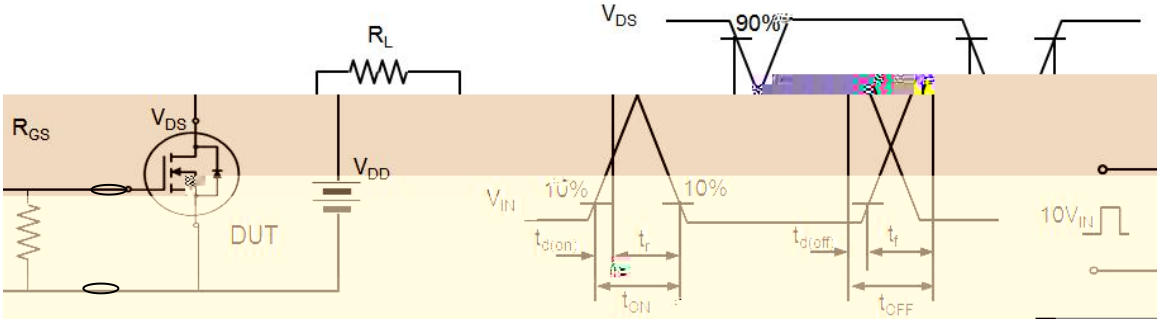

Tc=25 ℃
VGS=10V
12
10
8
6

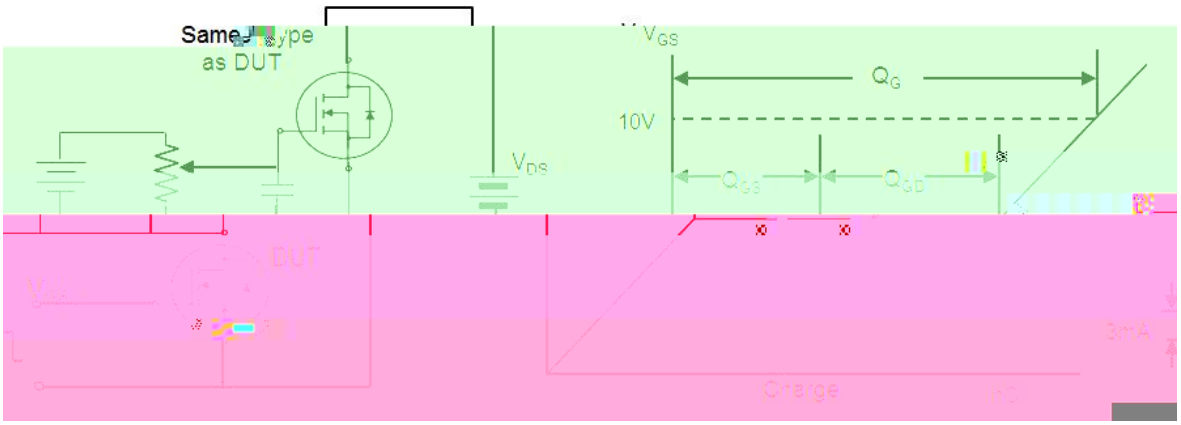

10^3
10^2
Tj=175°C
Tj=25°C

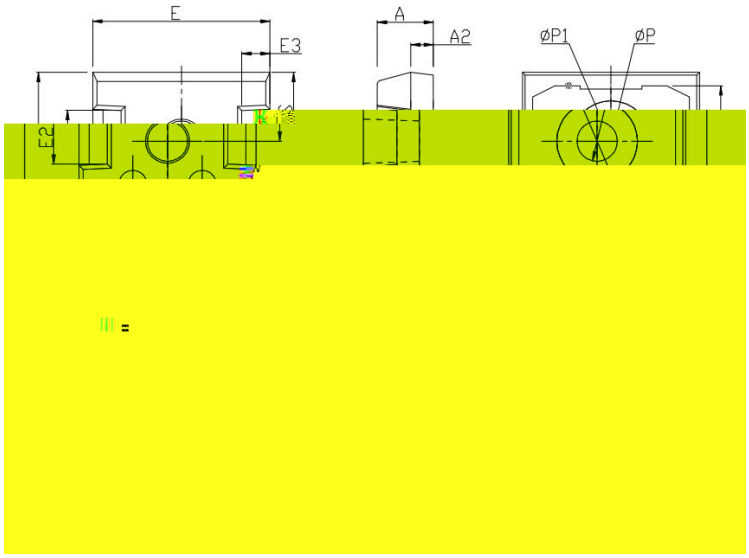

10.0k
20
25
30
35

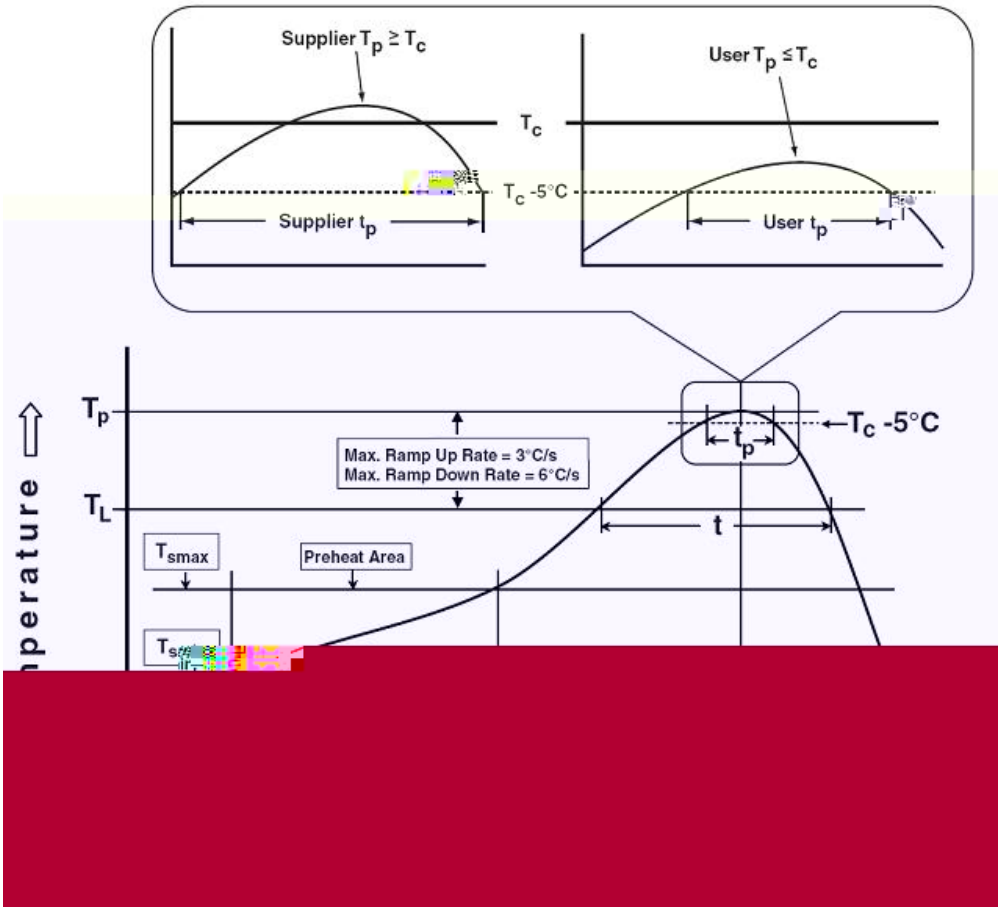

10
VDS=75V
ID=100A
2


15V
DRIVER
VDS
L
RG
D.U.T
IAS
20V
tp
VDD
EAS = 1/2 L IAS2
VDS
tp
IAS


RL
VDS
90%
RGS
VDS
VDD
DUT
VIN
10%
10%
td(on)
tr
td(off)
tf
tON
tOFF
10VIN


Same type
as DUT
VGS
QG
10V
VDS
QGS
QGD
DUT
Charge


E
E3
E2
A
A2
ØP1
ØP


Supplier $T_p \geq T_c$
User $T_p \leq T_c$
T_c
T_c -5°C
Supplier t_p
User t_p
T_p
T_L
T_{smax}
T_s
Max. Ramp Up Rate = 3°C/s
Max. Ramp Down Rate = 6°C/s
Preheat Area
t_p
t
T_c -5°C
perature