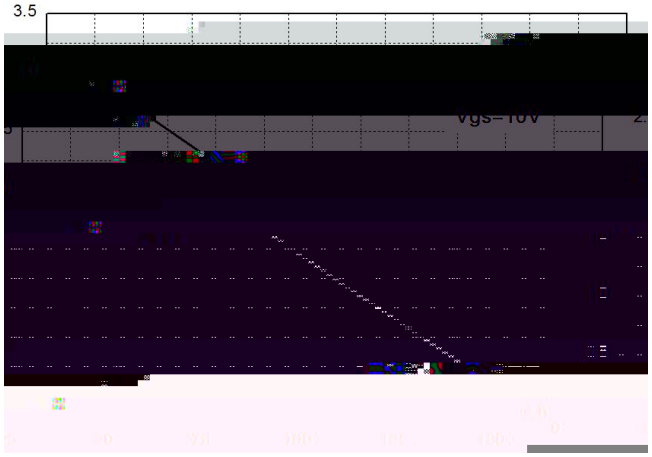
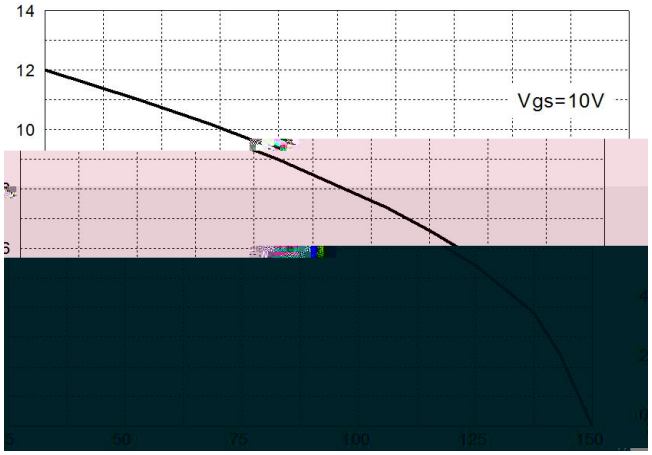
θ				
θ				

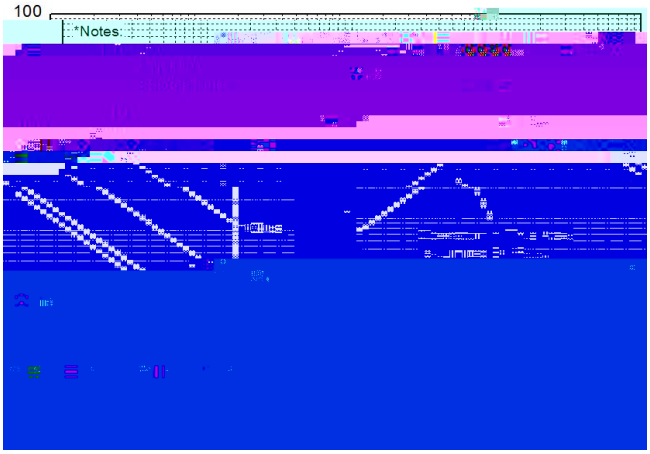
Ω, .

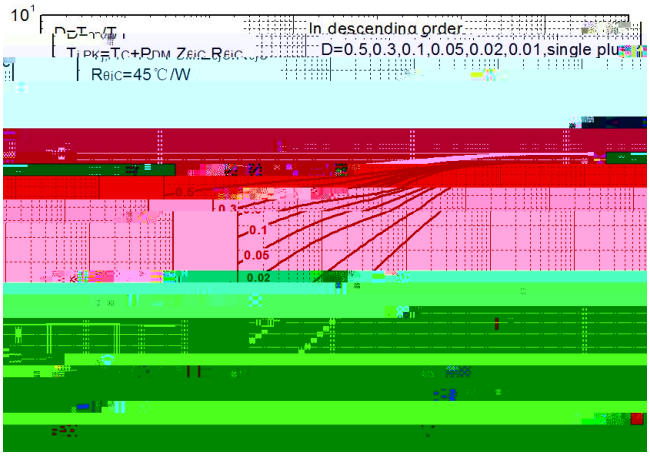
						mΩ

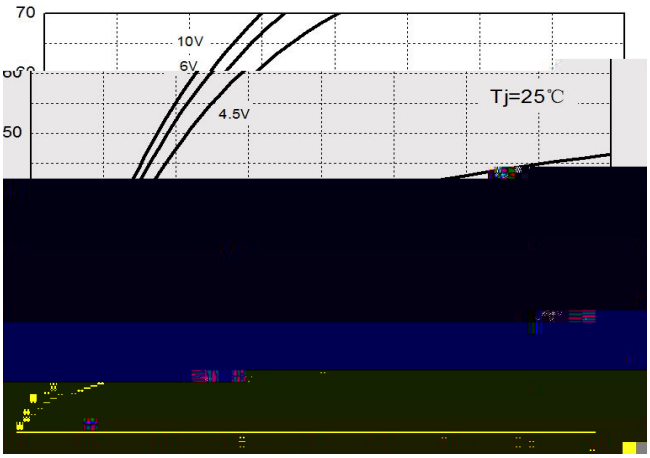
						Ω

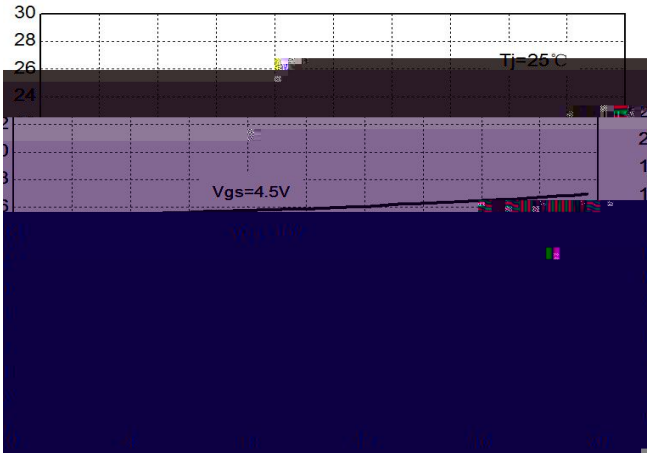

3.5
Vgs=10V

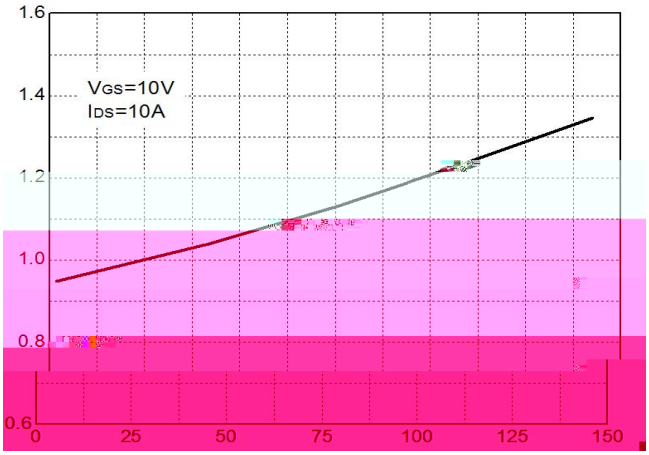

14
12
10
Vgs=10V
50
75
100
125
150

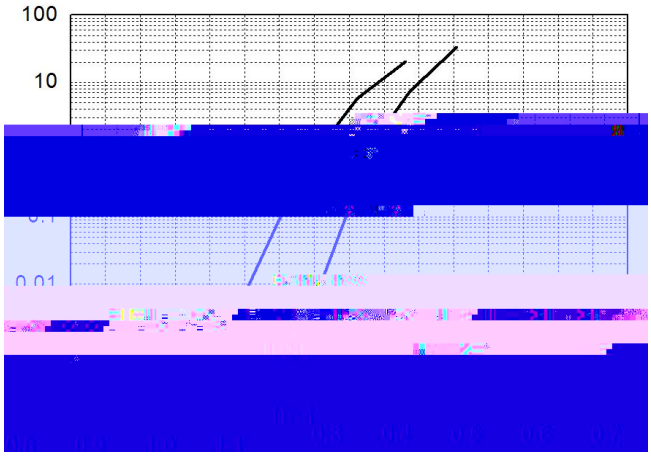

100
*Notes:

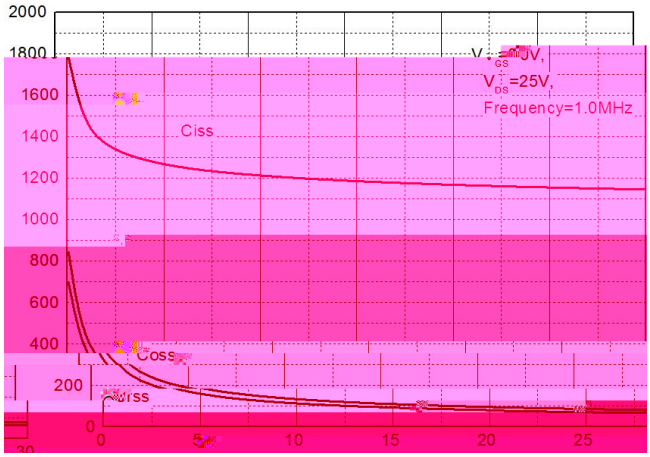

In descending order
D=0.5,0.3,0.1,0.05,0.02,0.01,single pu
RθJC=45℃/W
0.1
0.05
0.02

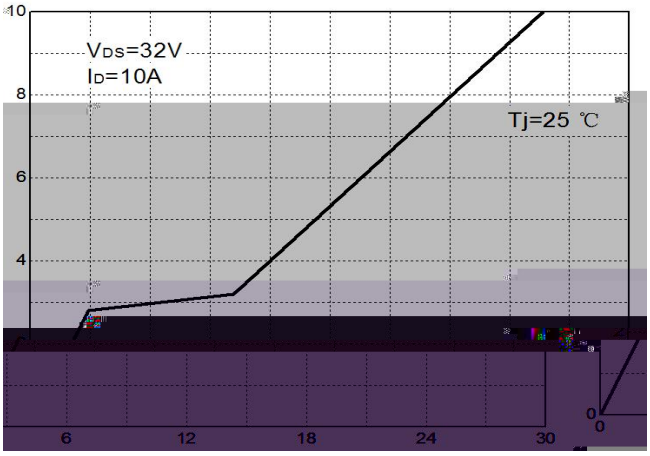

70
10V
6V
4.5V
Tj=25℃
50

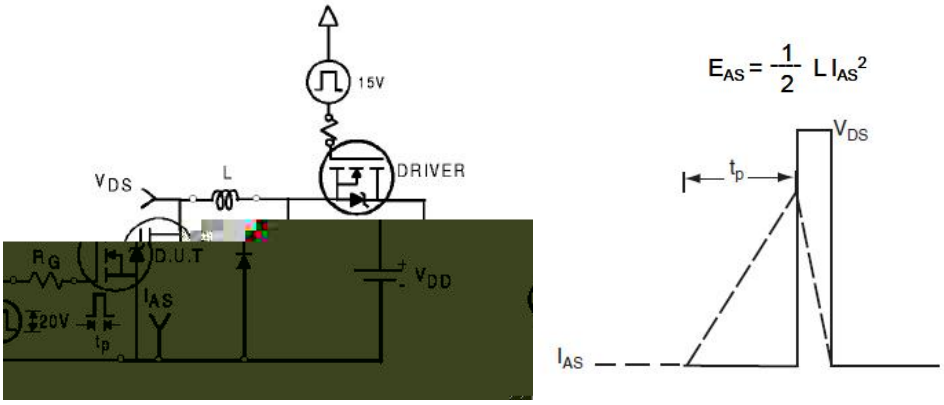

30
28
26
24
Tj=25℃
Vgs=4.5V

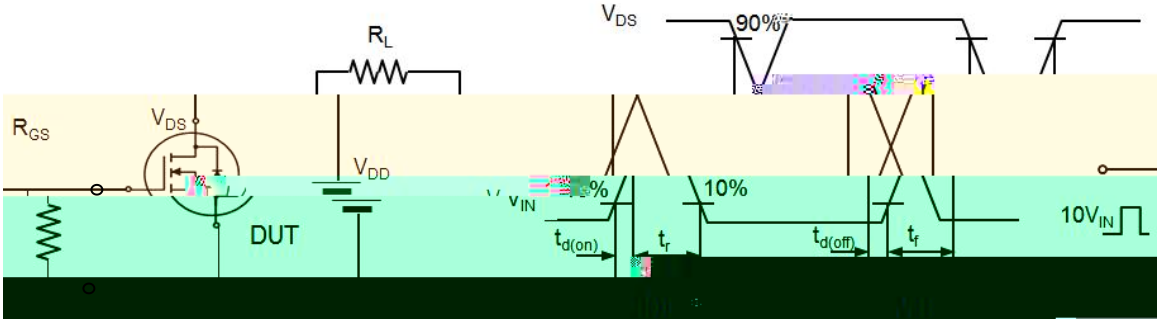

VGS=10V
IDS=10A
1.6
1.4
1.2
1.0
0.8
0.6
0
25
50
75
100
125
150

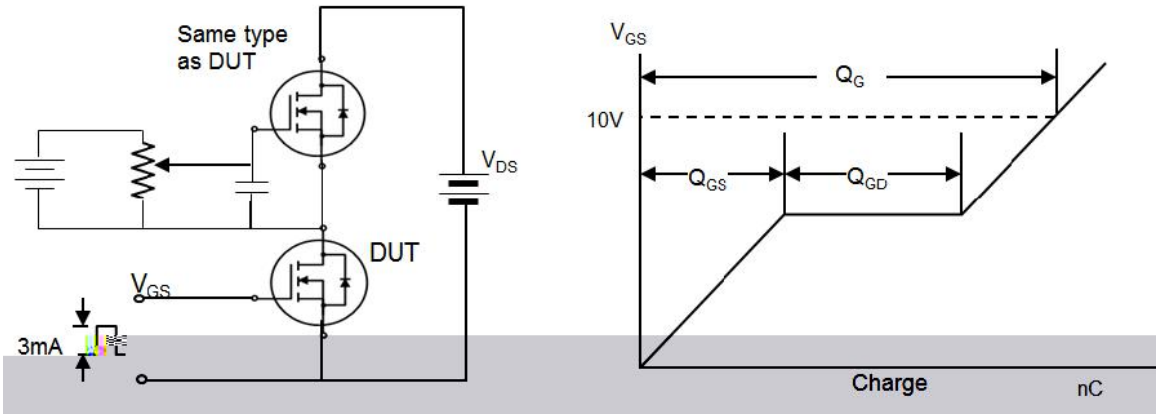

100
10
0.01

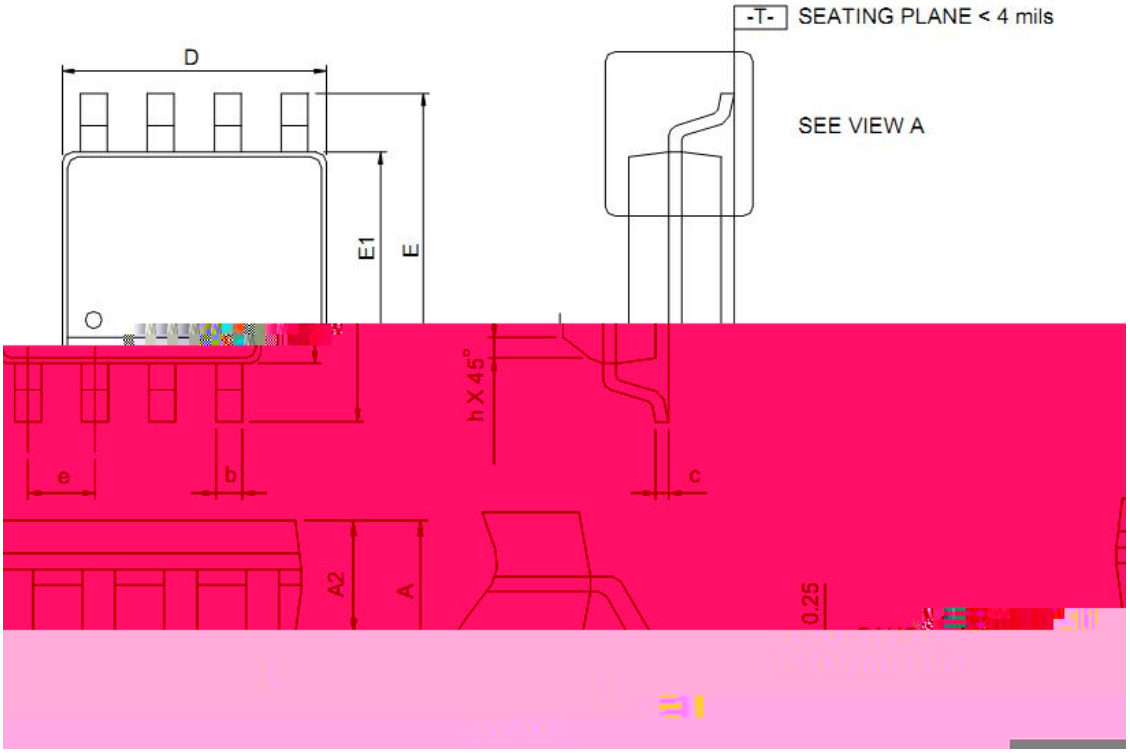

2000
1800
1600
1400
1200
1000
800
600
400
200
0
Ciss
Coss
Crss
V_GS=0V,
V_DS=25V,
Frequency=1.0MHz
0
5
10
15
20
25


VDS=32V
ID=10A
Tj=25 ℃
10
8
6
4
0
6
12
18
24
30


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
VIN
10%
DUT
td(on)
tr
td(off)
tf
10VIN

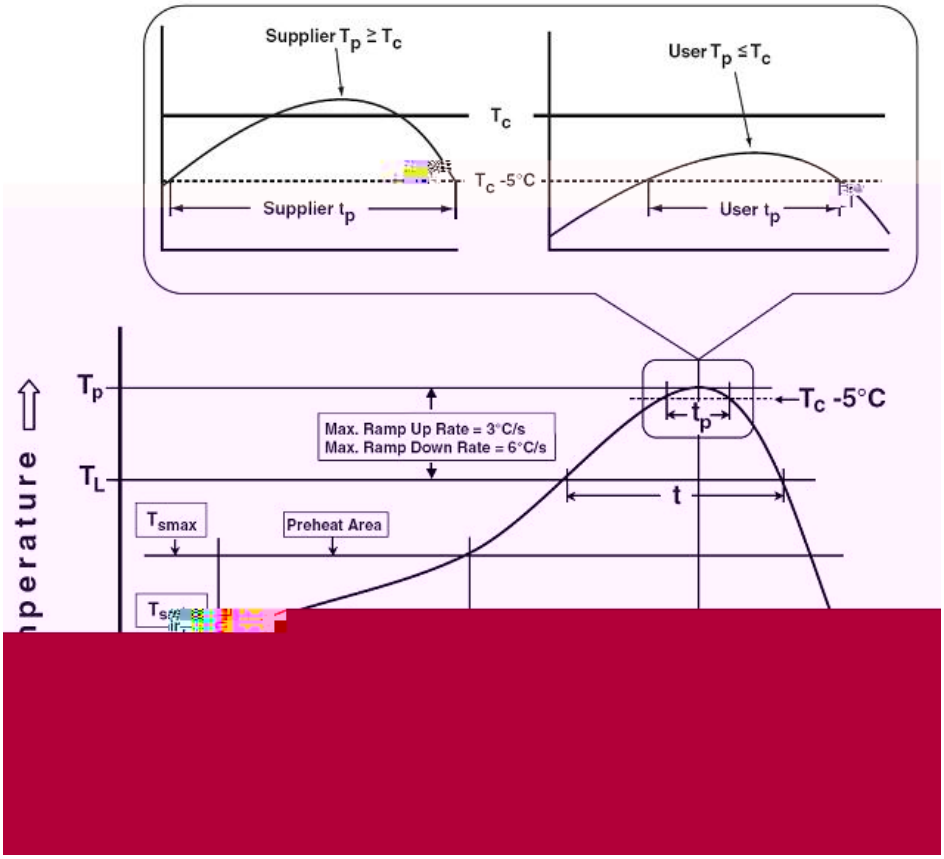

Same type
as DUT
VDS
DUT
VGS
3mA
VGS
QG
10V
QGS
QGD
Charge
nC



SYMBOL	MILLIMETERS		INCHES	
	MIN.	MAX.	MIN.	MAX.
A	-	1.75	-	0.069
A1	0.10	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

RECOMMENDED LAND PATTERN

1.27


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