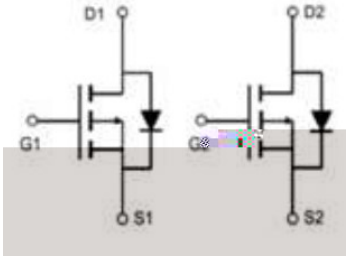
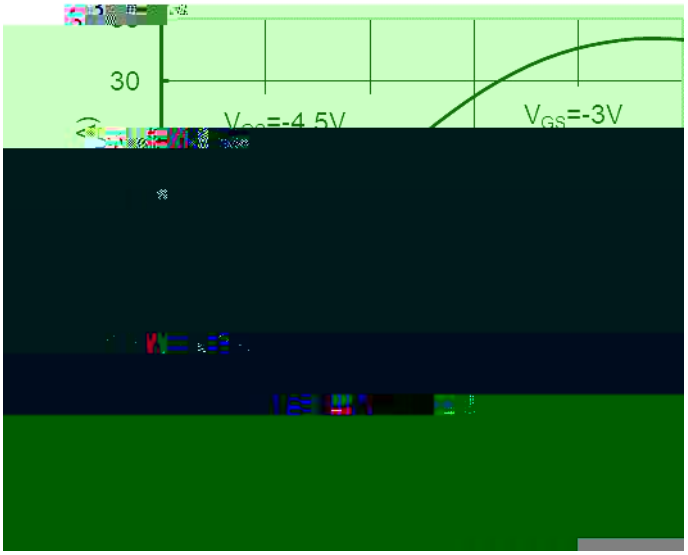
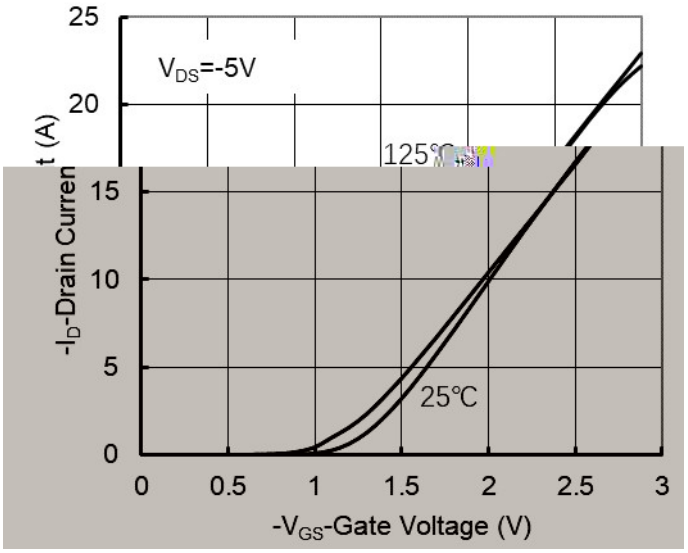

S2
4
5
6

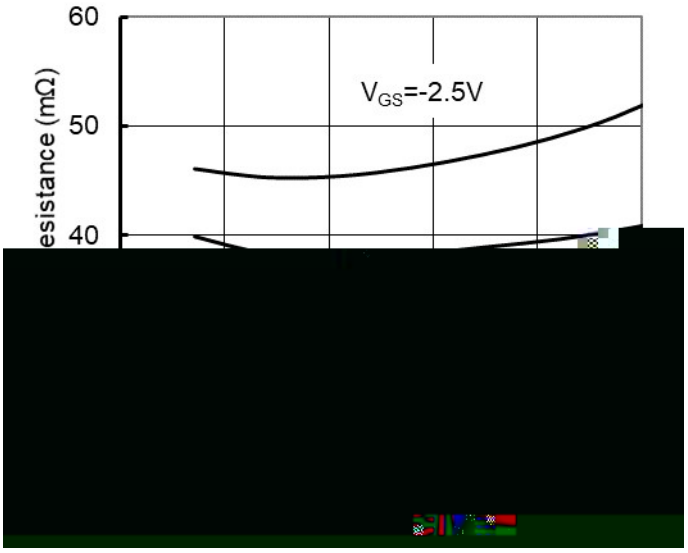

D1
D2
G1
S1
S2

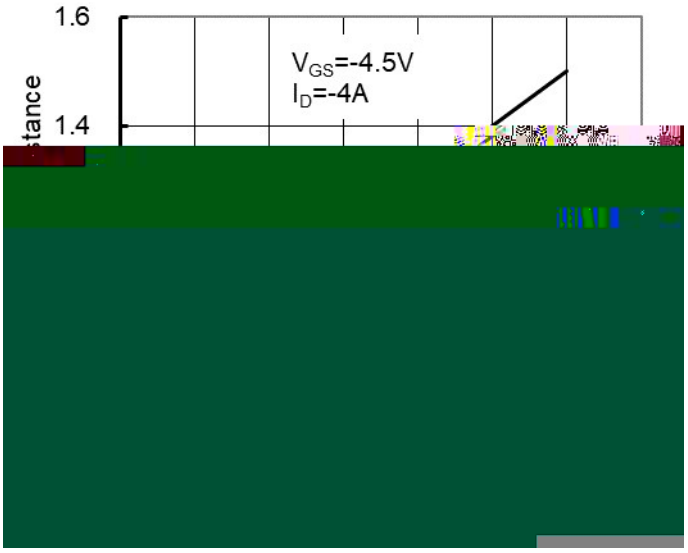
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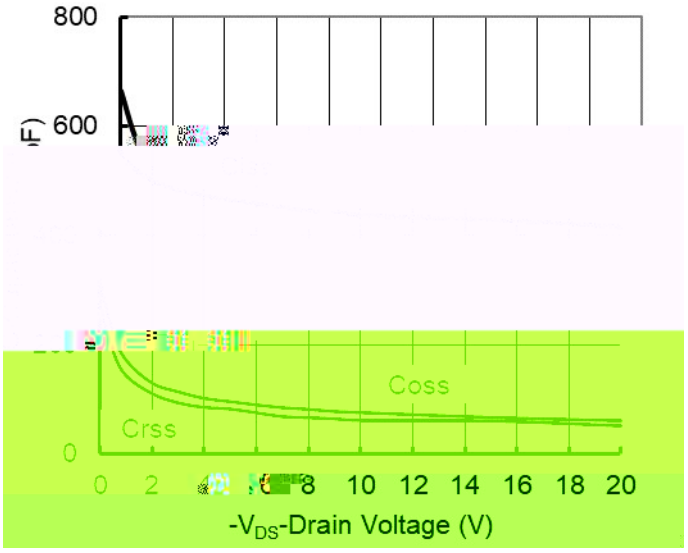
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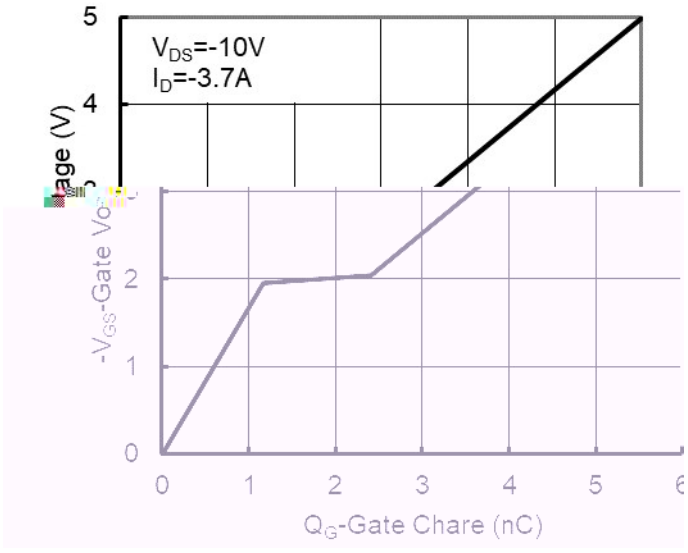

30
$V_{GS}$=-3V

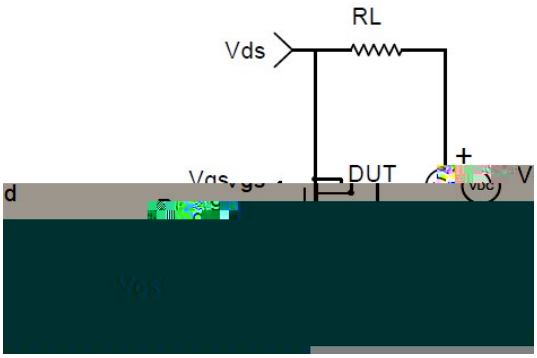

25
20
15
10
5
0
$V_{DS}$=-5V
125℃
25℃
$-I_D$-Drain Curren
t (A)
0
0.5
1
1.5
2
2.5
3
$-V_{GS}$-Gate Voltage (V)

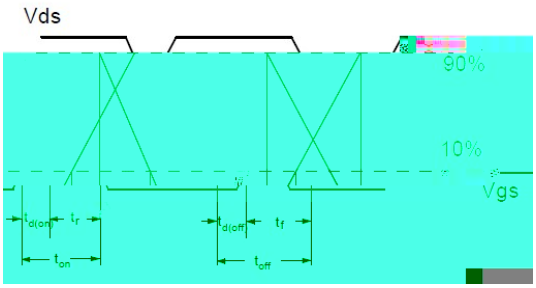

60
50
40
$V_{GS}$=-2.5V
esistance (mΩ)

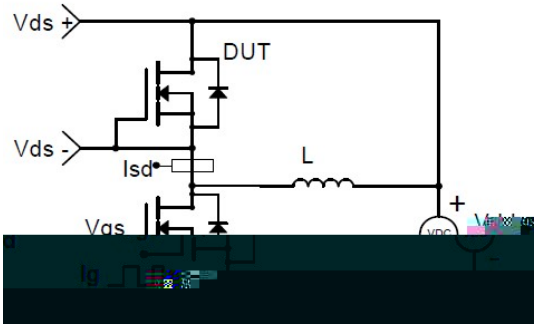

1.6
1.4
$V_{GS}$=-4.5V
$I_D$=-4A
stance

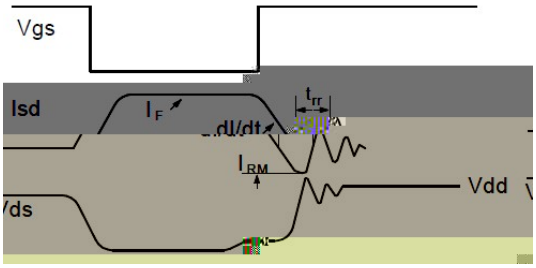

800
600
F)
Coss
Crss
0
0
2
8
10
12
14
16
18
20
$-V_{DS}$-Drain Voltage (V)

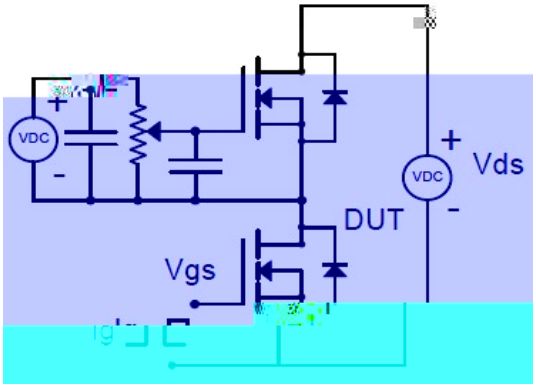

5
4
2
1
0
$V_{DS}$=-10V
$I_D$=-3.7A
age (V)
$-V_{GS}$-Gate Vo
0
1
2
3
4
5
$Q_G$-Gate Chare (nC)

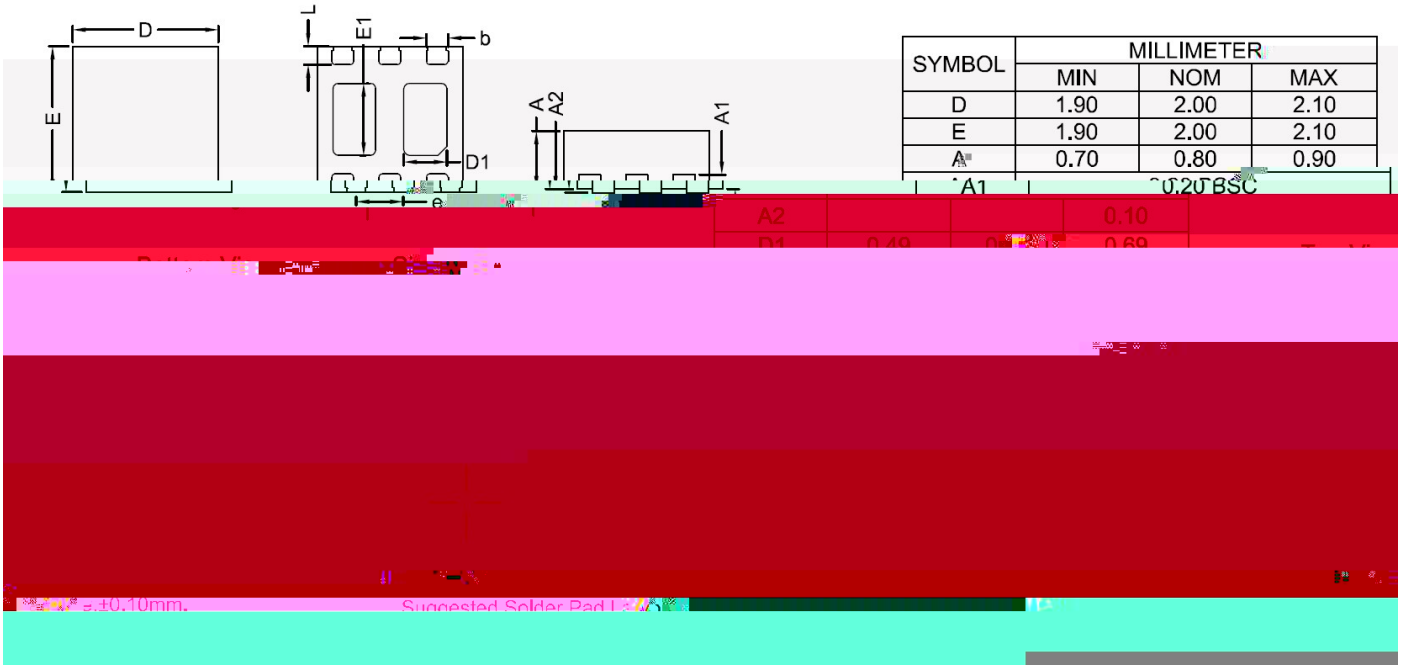

RL
Vds
DUT
Vgs


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


Vds +
DUT
Vds -
Isd
L
Vgs
VDC
Ig


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


VDC
+
-
VDC
+
Vds
-
DUT
Vgs
Ig




| SYMBOL | MILLIMETER | | |
|---|---|---|---|
| | MIN | NOM | MAX |
| D | 1.90 | 2.00 | 2.10 |
| E | 1.90 | 2.00 | 2.10 |
| A | 0.70 | 0.80 | 0.90 |
| A1 | | 0.20 BSC | |
| A2 | | | 0.10 |
| D1 | 0.49 | | 0.69 |

±0.10mm. Suggested Solder Pad Layout