=25℃ (unless otherwise specified)

=25℃

=100℃

±

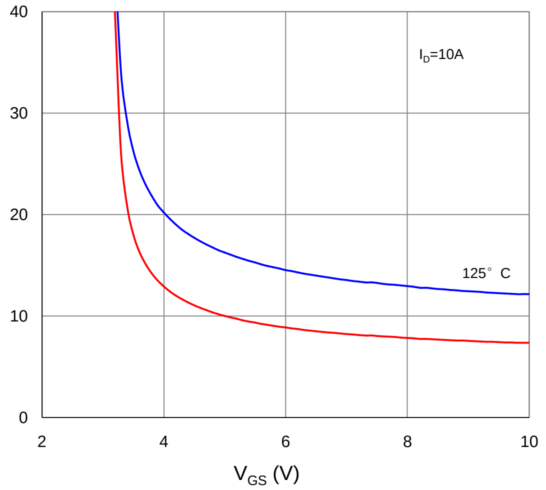
=25℃

=25℃

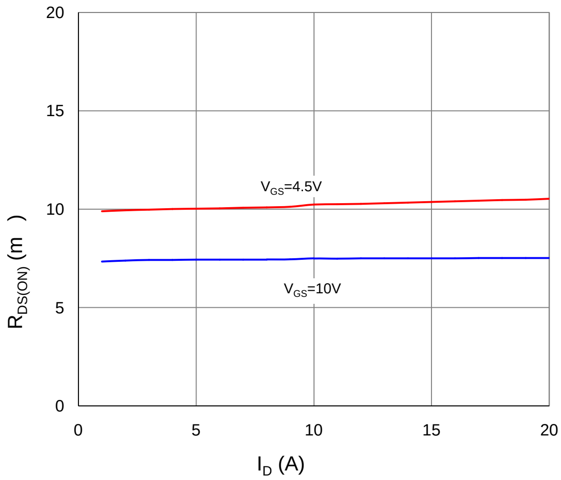
℃

℃/W

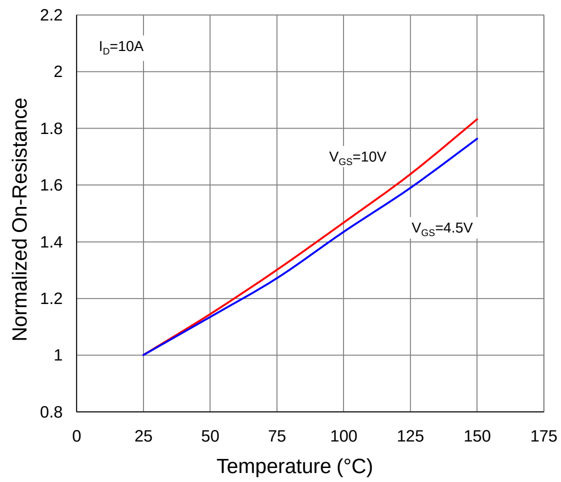
℃/W



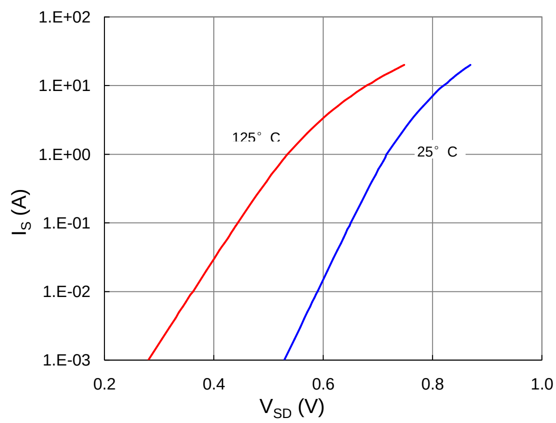
40
30
20
10
0
2
4
6
8
10
I_D=10A
125° C
V_GS (V)



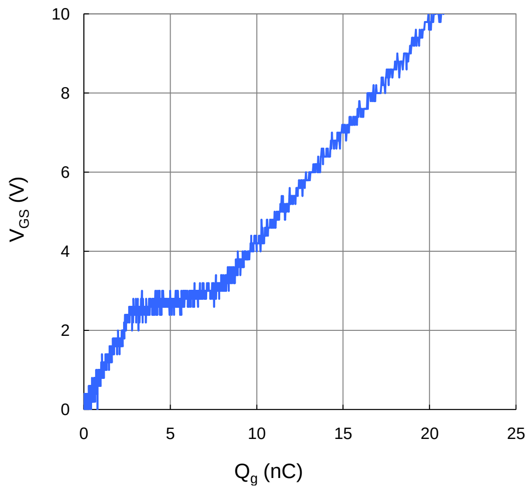
20
15
10
5
0
0
5
10
15
20
V_GS=4.5V
V_GS=10V
R_DS(ON) (m)
I_D (A)



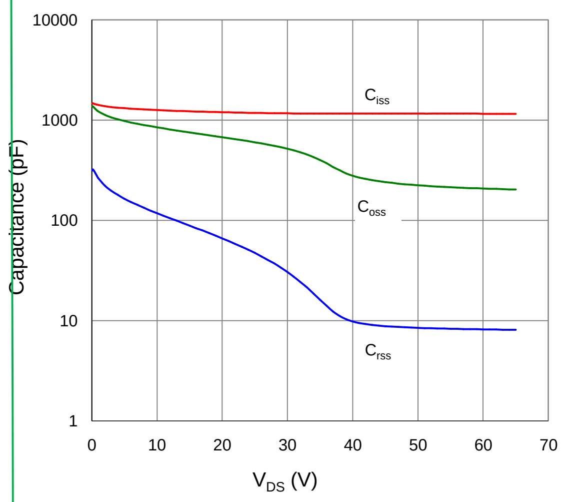
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
25
50
75
100
125
150
175
I_D=10A
V_GS=10V
V_GS=4.5V
Normalized On-Resistance
Temperature (°C)



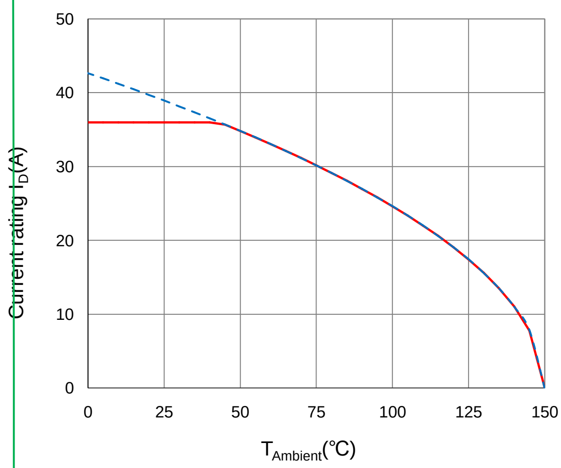
1.E+02
1.E+01
1.E+00
1.E-01
1.E-02
1.E-03
0.2
0.4
0.6
0.8
1.0
125° C
25° C
I_S (A)
V_SD (V)



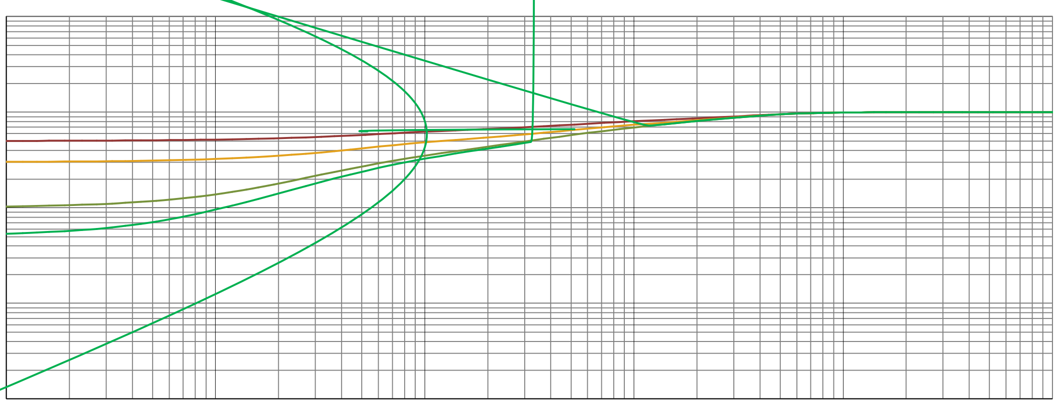
10
8
6
4
2
0
0
5
10
15
20
25
VGS (V)
Qg (nC)

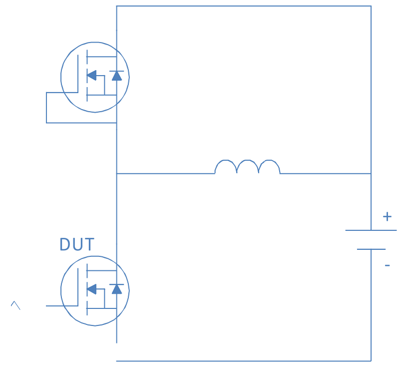


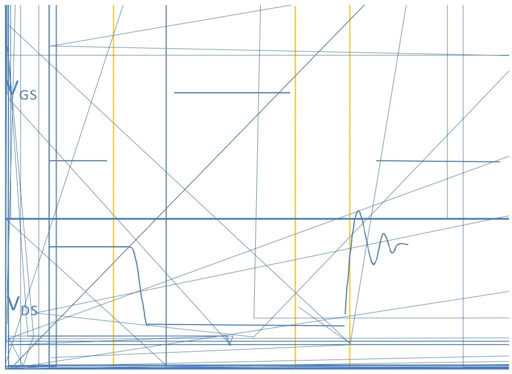
10000
1000
100
10
1
0
10
20
30
40
50
60
70
Capacitance (pF)
VDS (V)
Ciss
Coss
Crss

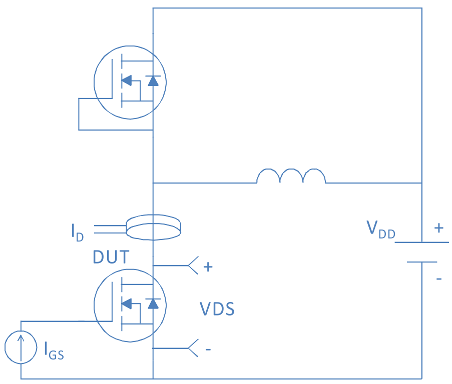


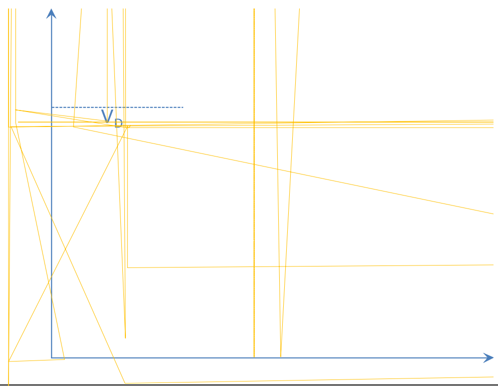
50
40
30
20
10
0
0
25
50
75
100
125
150
Current rating ID(A)
TAmbient(℃)

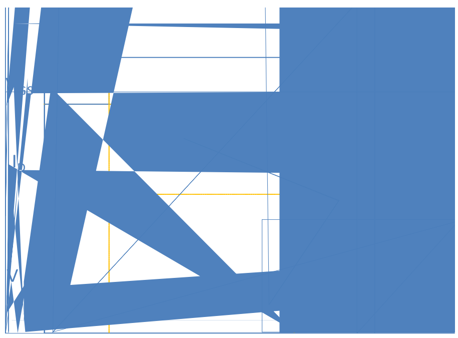


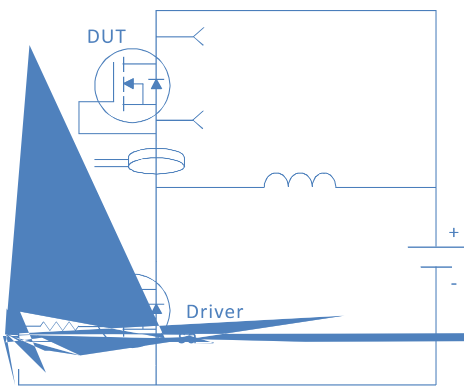

DUT
+
-

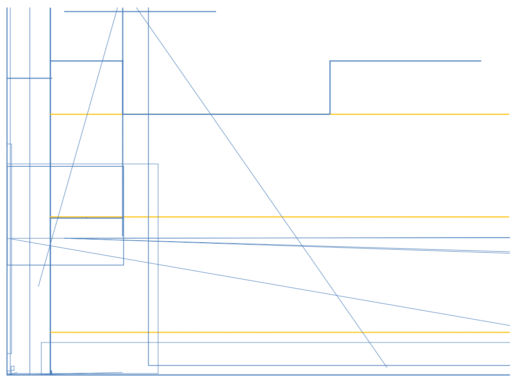

V_{GS}
V_{DS}

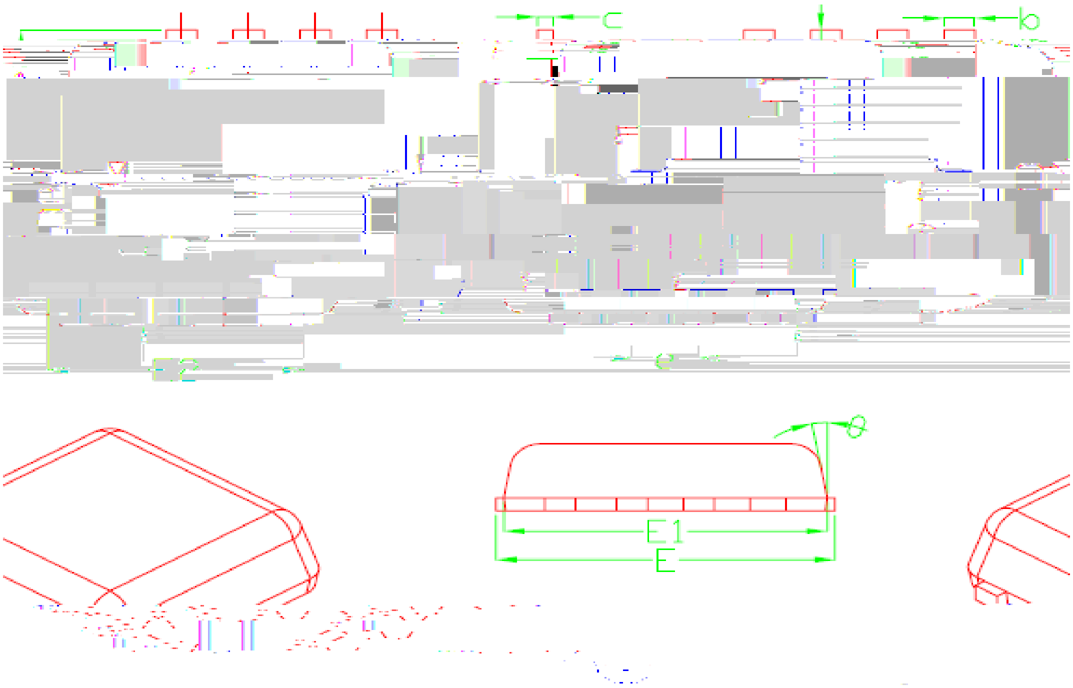

I_D
DUT
V_{DD}
+
-
+
VDS
-
I_{GS}


V_D




DUT
+
-
Driver





SYMBOL	DIMENSIONAL REQMTS		
	MIN	NOM	MAX
A	0.70	0.75	0.80
b	0.25	0.30	0.35
c	0.10	0.15	0.25
D	3.25	3.35	3.45
D1	3.00	3.10	3.20
D2	1.78	1.88	1.98
D3	---	0.13	---
E	3.20	3.30	3.40
E1	3.00	3.15	3.20
E2	2.39	2.49	2.59
e	0.65BSC		
H	0.30	0.39	0.50
L	0.30	0.40	0.50
L1	---	0.13	---
θ	---	10°	12°
M	*	*	0.15
* Not specified			