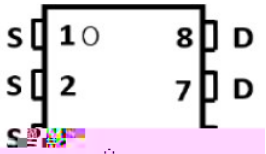
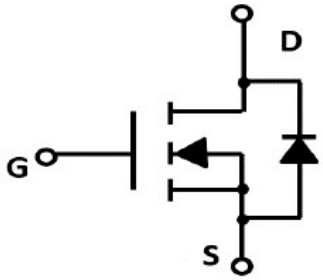
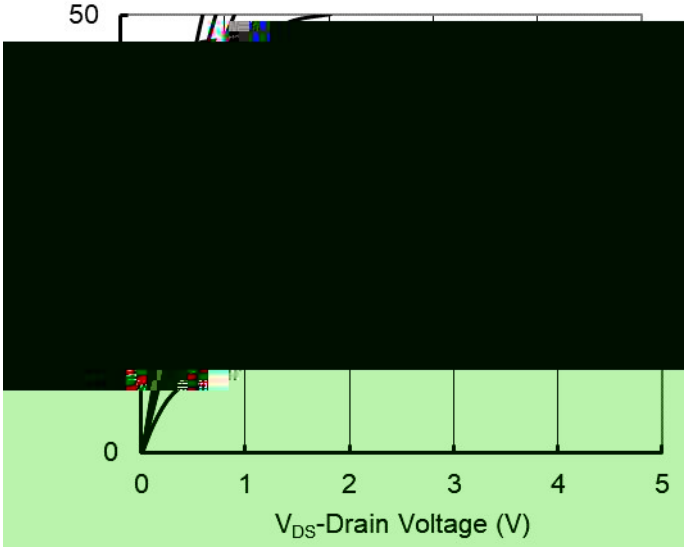
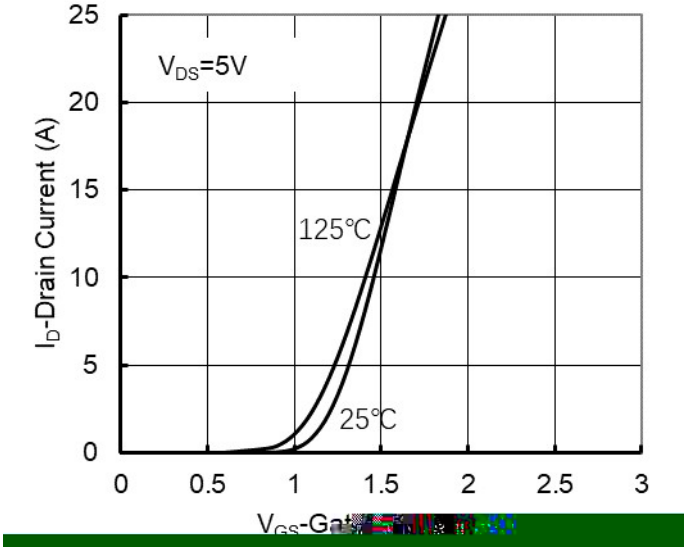
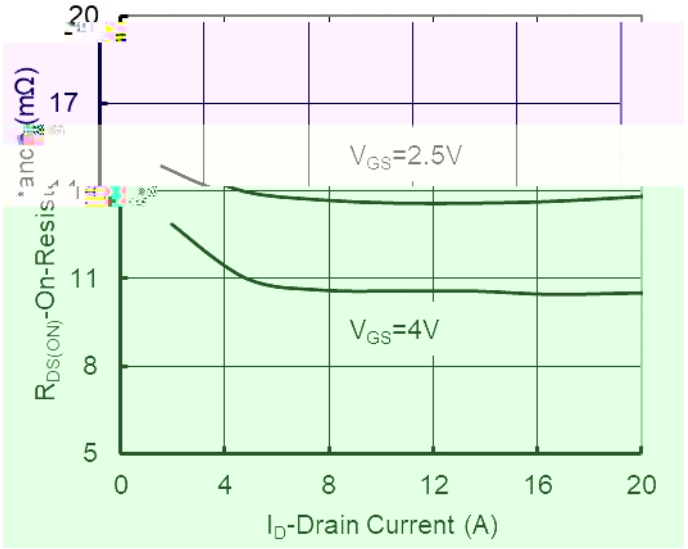
Top View
5
6
7
8

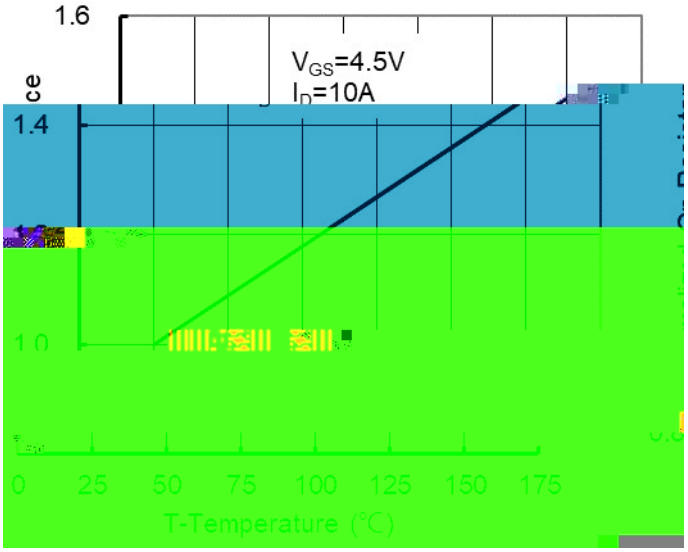

S
1
S
2
8
D
7
D

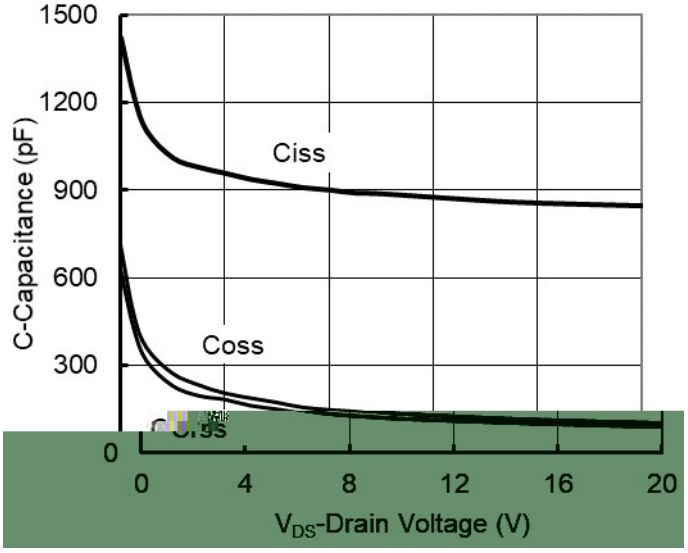

D
G
S

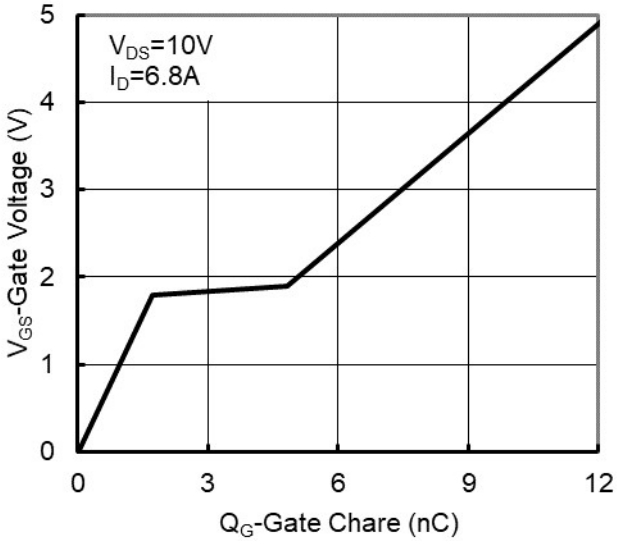

50
0
0
1
2
3
4
5
V_{DS}-Drain Voltage (V)

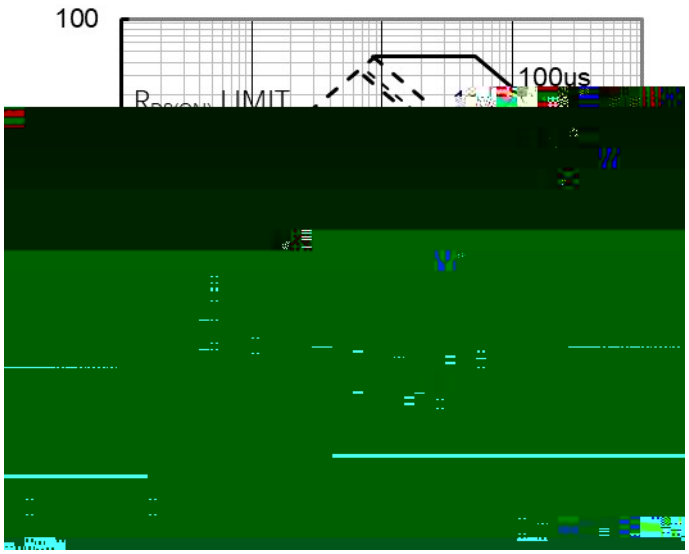

V_{DS}=5V
125℃
25℃
I_D-Drain Current (A)
25
20
15
10
5
0
0
0.5
1
1.5
2
2.5
3

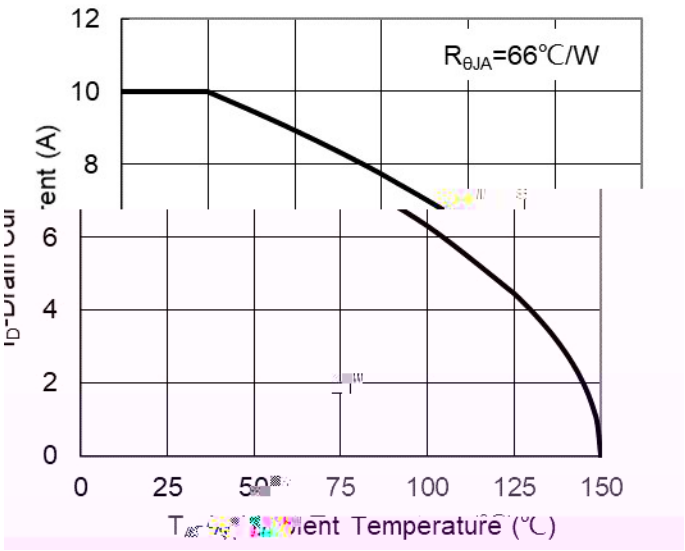

V_{GS}=2.5V
V_{GS}=4V
$R_{DS(ON)}$-On-Resistance (mΩ)
20
17
11
8
5
0
4
8
12
16
20
I_D-Drain Current (A)

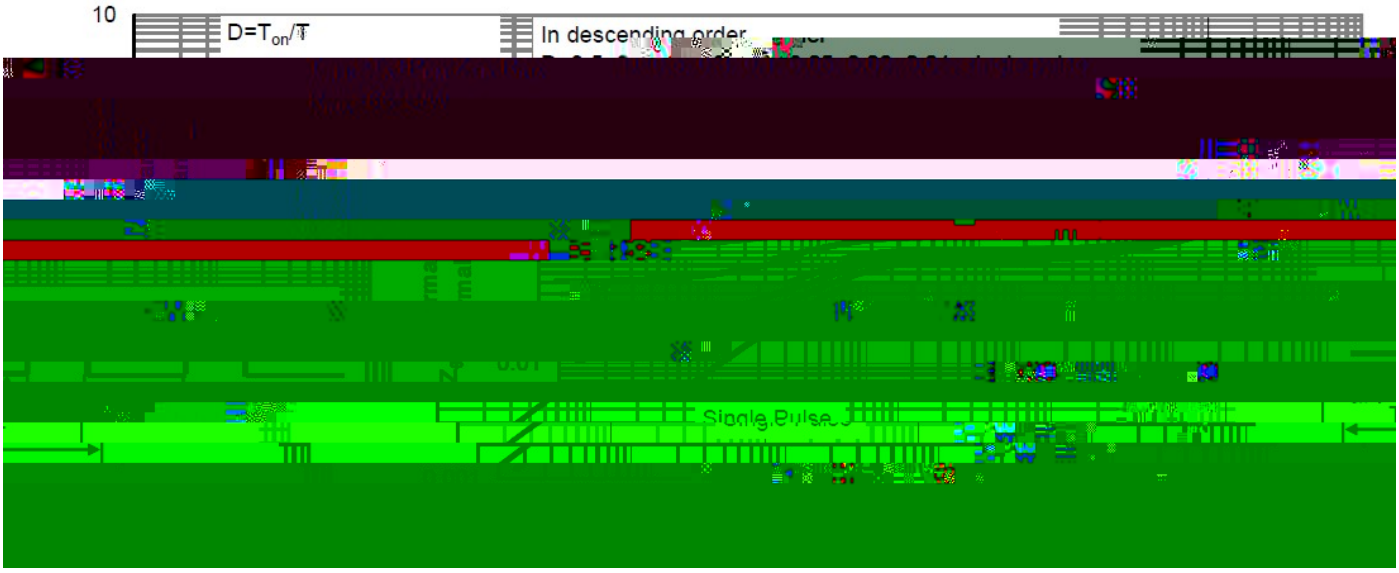

V_{GS}=4.5V
I_D=10A
1.6
1.4
1.0
0
25
50
75
100
125
150
175
T-Temperature (℃)

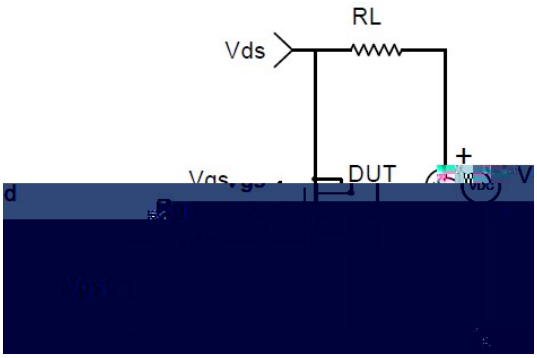

Ciss
Coss
C-Capacitance (pF)
1500
1200
900
600
300
0
0
4
8
12
16
20
V_{DS}-Drain Voltage (V)

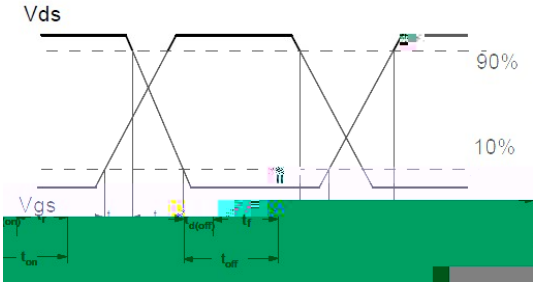

V_{DS}=10V
I_D=6.8A
V_{GS}-Gate Voltage (V)
5
4
3
2
1
0
0
3
6
9
12
Q_G-Gate Chare (nC)

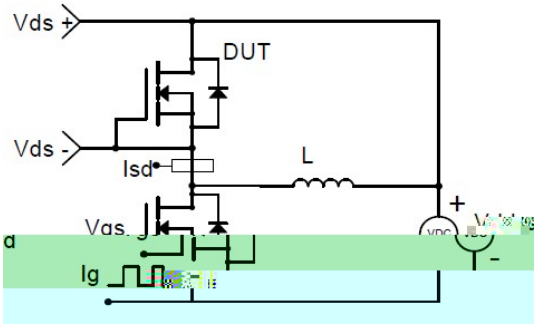

100
100us

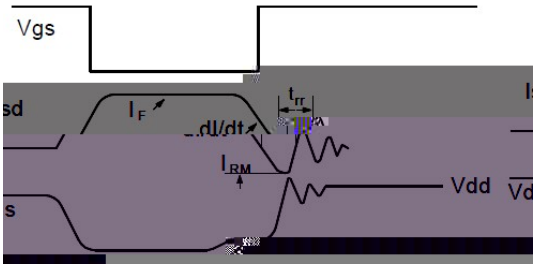

12
10
8
6
4
2
0
0
25
50
75
100
125
150
$R_{\theta JA}$=66℃/W

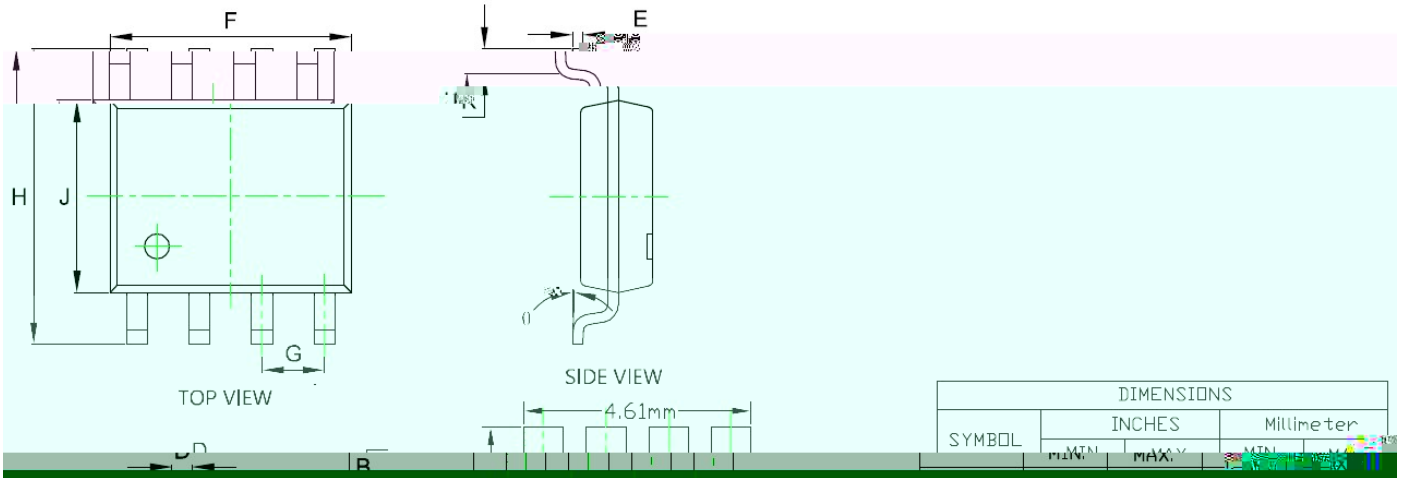

10
D=T_{on}/T
In descending order
Single Pulse


RL
Vds
DUT
+


Vds
90%
10%
Vgs


Vds +
DUT
Vds -
Isd
L
+
Ig
-


Vgs
Vdd



DIMENSIONS				
SYMBOL	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.