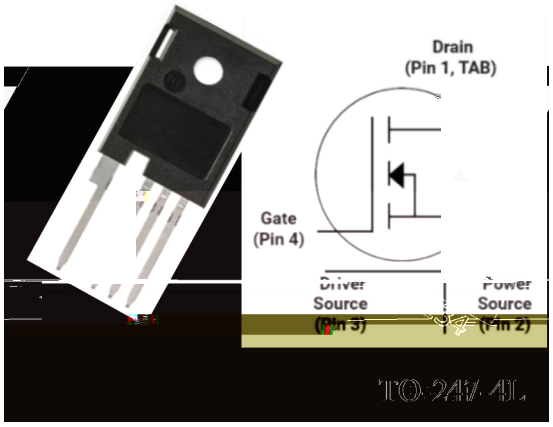
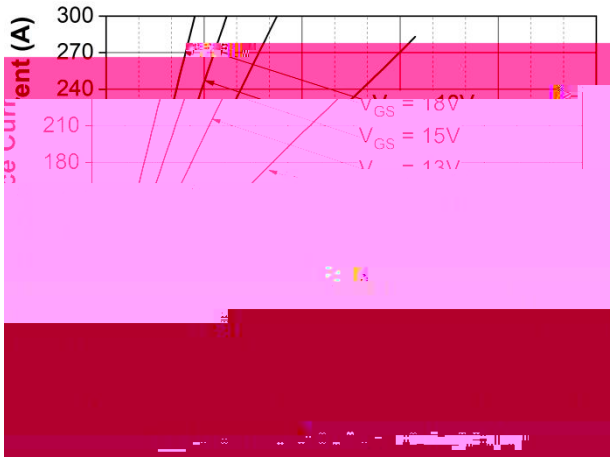
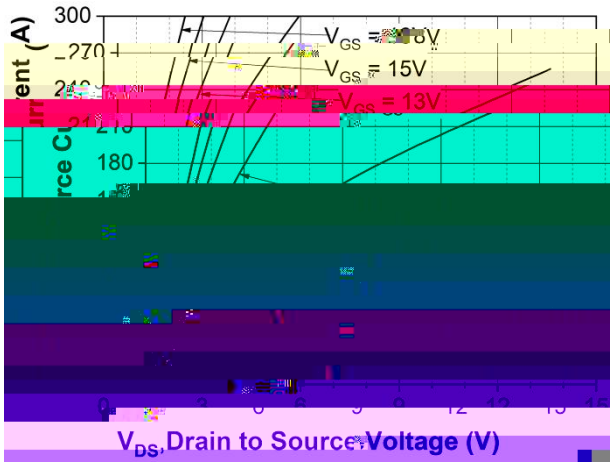
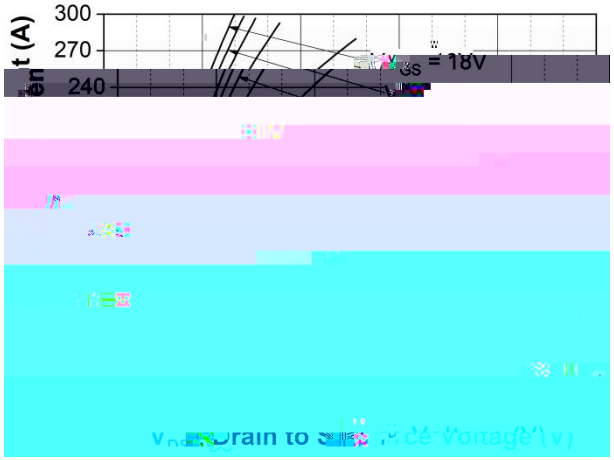
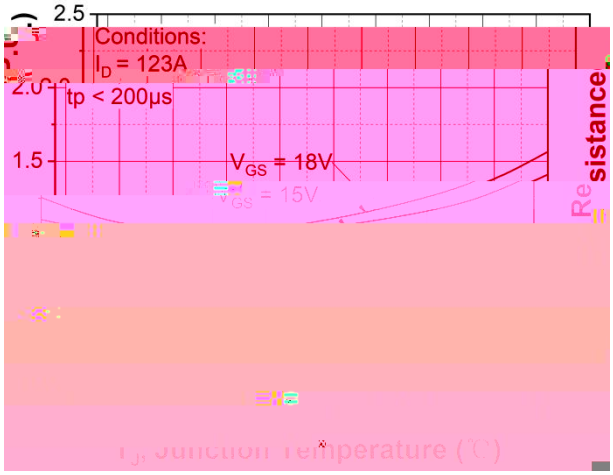
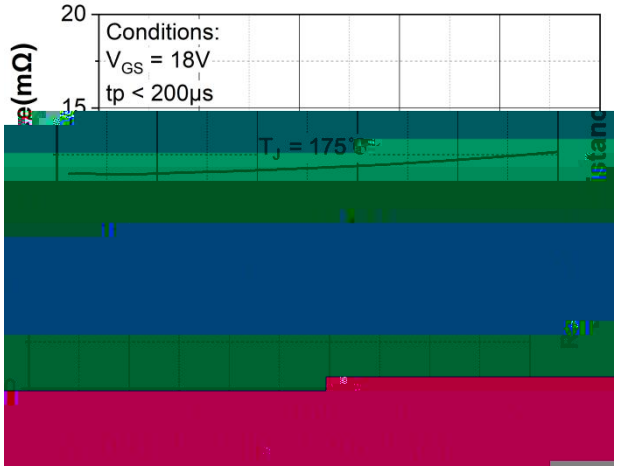

Drain
(Pin 1, TAB)
Gate
(Pin 4)
Driver
Source
(Pin 3)
Power
Source
(Pin 2)
TO-247-4L

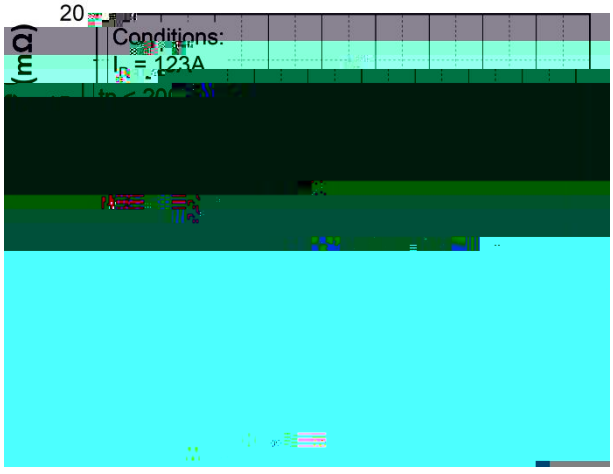

300
270
240
210
180
V_{GS} = 15V

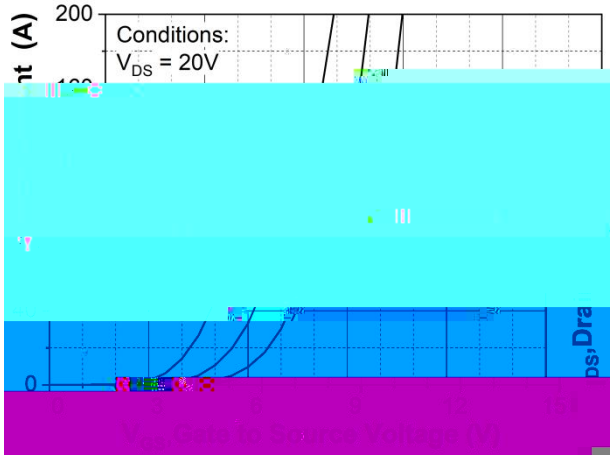

300
V_{GS} = 15V
180
V_{DS}, Drain to Source Voltage (V)

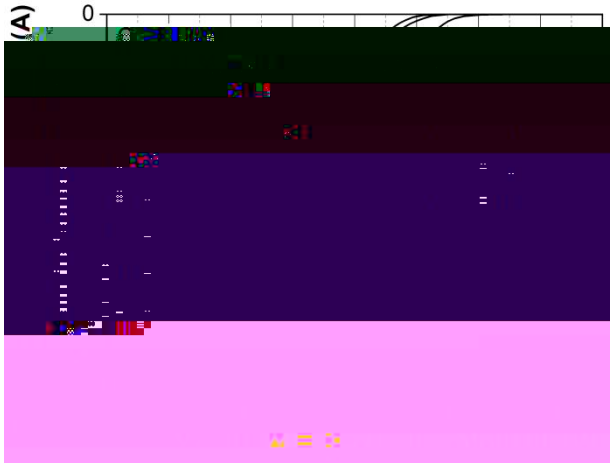

300
270
240

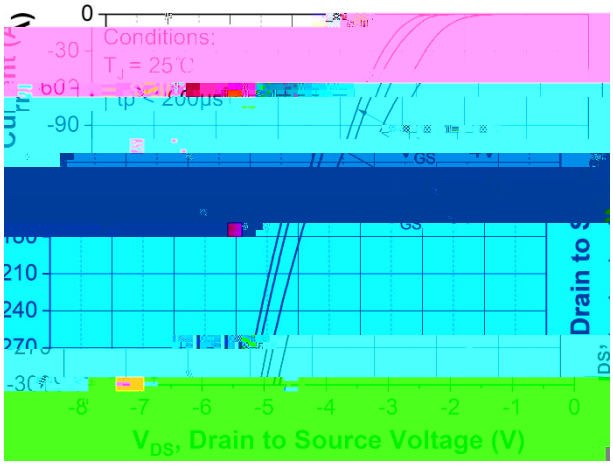

2.5
Conditions:
I_D = 123A
tp < 200µs
1.5
V_{GS} = 18V
V_{GS} = 15V

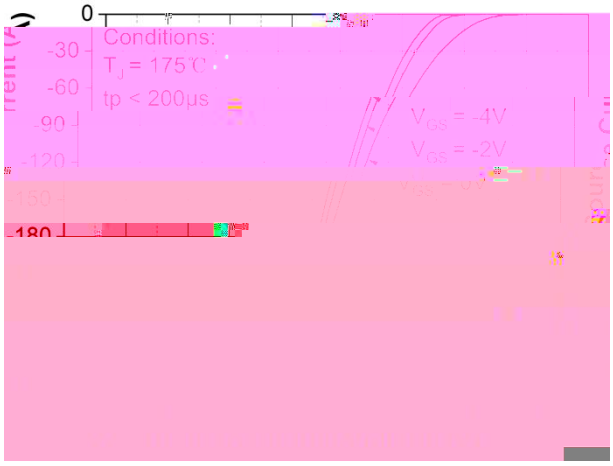

20
Conditions:
V_{GS} = 18V
tp < 200µs
15
T_J = 175°C

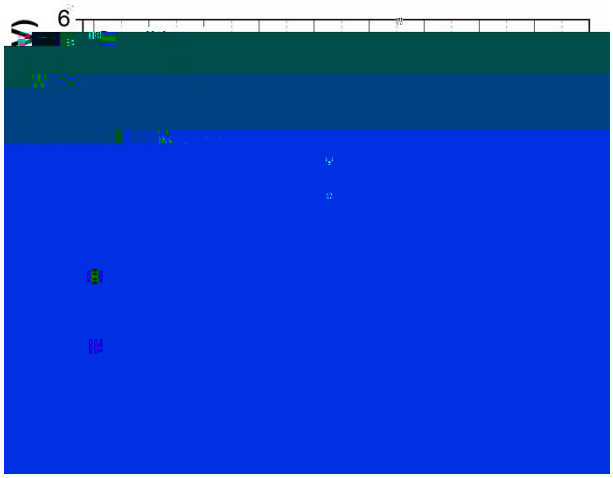

20
Conditions:

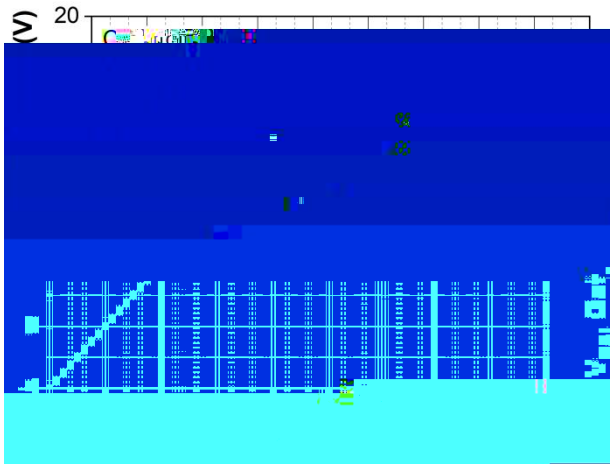

200
Conditions:
V_{DS} = 20V
0
V_{GS}, Gate to Source Voltage (V)


0

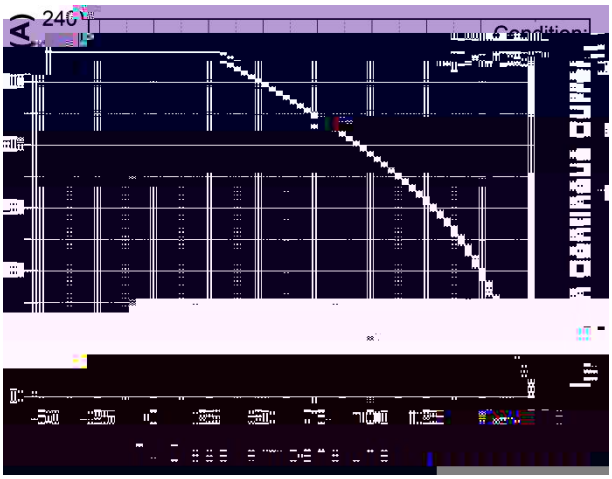

0
Conditions:
T_J = 25°C
tp < 200µs
-30
-90
210
240
-8
-7
-6
-5
-4
-3
-2
-1
0
V_{DS}, Drain to Source Voltage (V)

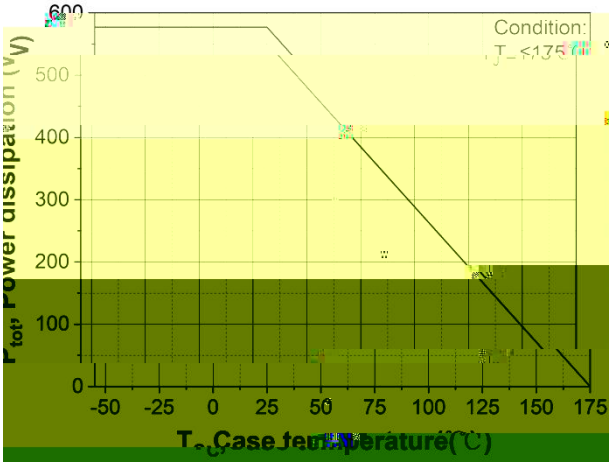

0
Conditions:
T_J = 175°C
tp < 200µs
-30
-60
V_{GS} = -4V
V_{GS} = -2V

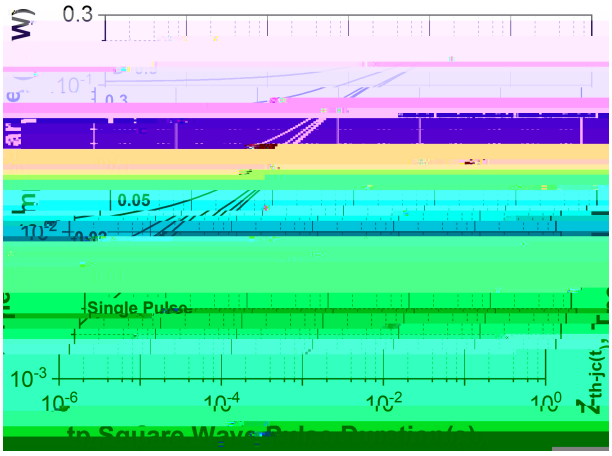

6

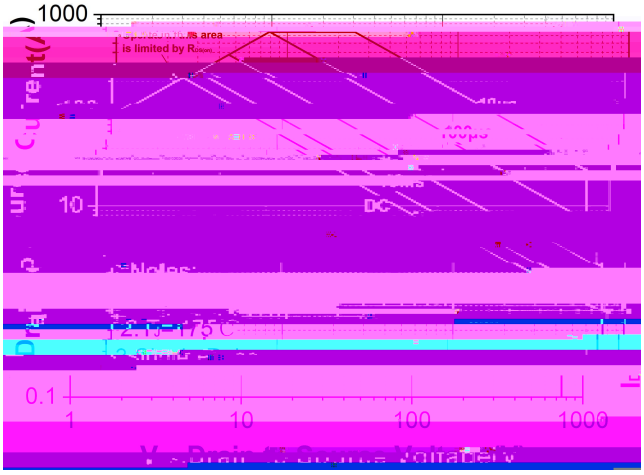

20

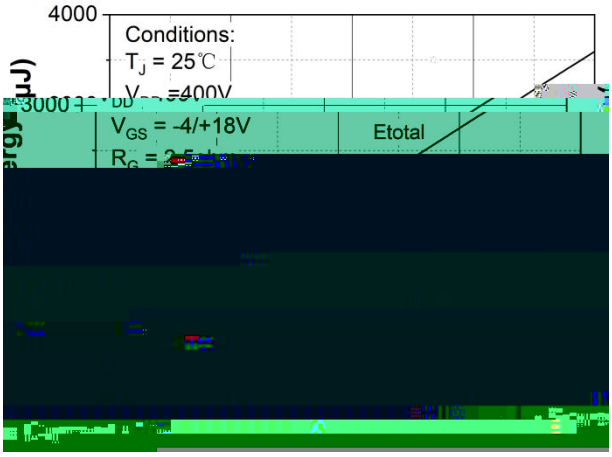
[redacted]

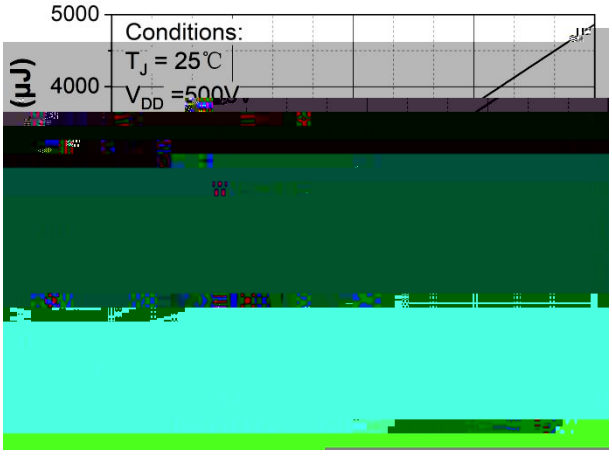


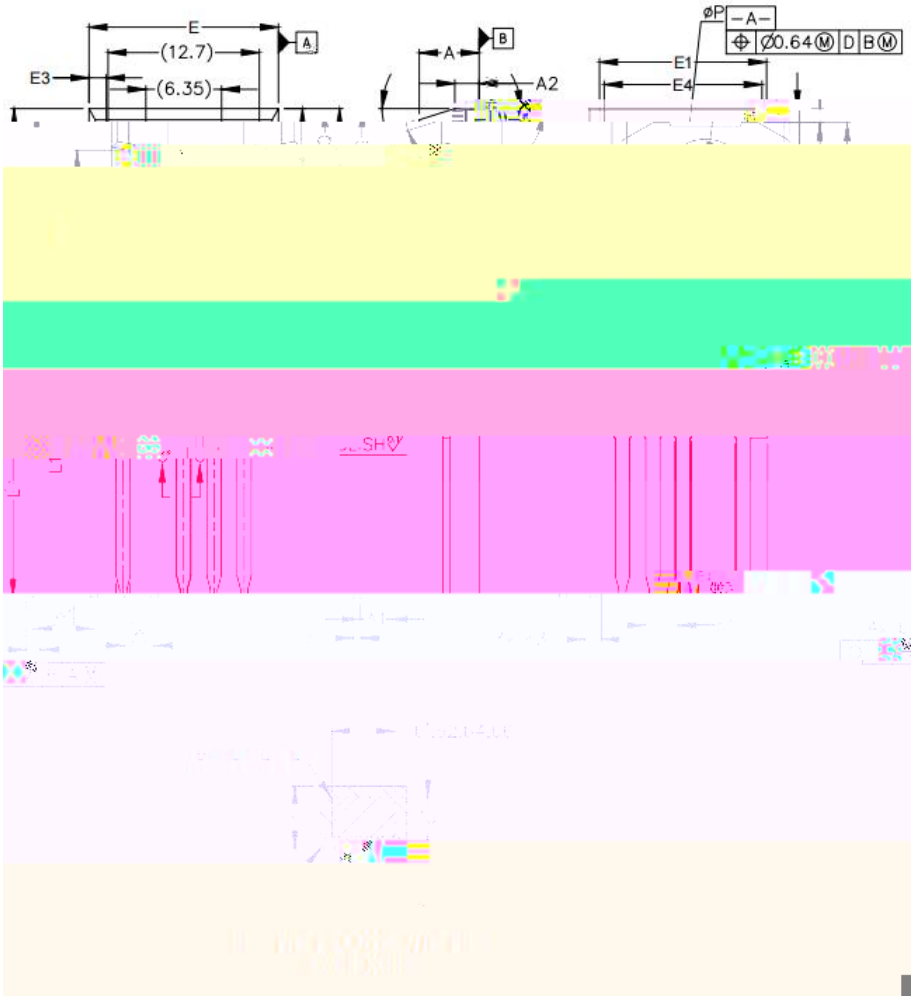

Condition:
T_J <175℃
P_{tot}, Power dissipation (W)
600
500
400
300
200
100
0
-50 -25 0 25 50 75 100 125 150 175
T_C, Case temperature(℃)


0.3
0.05
Single Pulse
10^{-3}
10^{-6}
10^{-4}
10^{-2}
10^{0}
$Z_{th-jc}(t_1,$


1000
10
DC
0.1
1
10
100
1000


4000
Conditions:
T_J = 25℃
V_{DD} =400V
V_{GS} = -4/+18V
Etotal


5000
Conditions:
T_J = 25℃
V_{DD} =500V
(μJ)
4000



SYMBOL	MILLIMETERS	
	MIN	MAX
A	4.83	5.21
A1	2.29	2.54
A2	1.91	2.16
b'	1.07	1.28
b	1.07	1.33
b1	2.39	2.94
b2	2.39	2.84
b3	1.07	1.60
b4	1.07	1.50
b5	2.39	
b6	2.39	2.64
c'	0.55	
c		0.68
D	23.30	23.60
D1	16.25	17.65
D2	0.95	1.25
E	15.75	16.13
E1	13.10	14.15
E2	3.68	5.10
	1.00	1.90
E4	12.38	13.43
e	2.54 BSC	
e1	5.08 BSC	

B

R

WWHVV

			——