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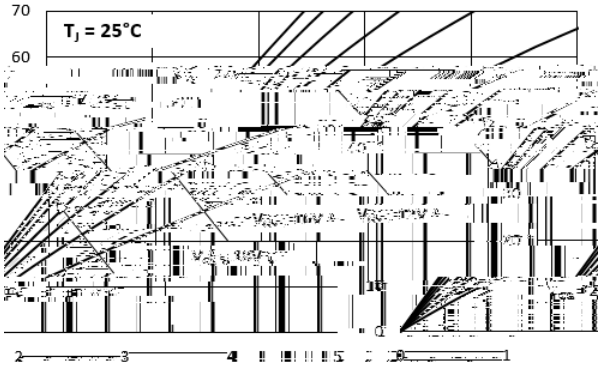
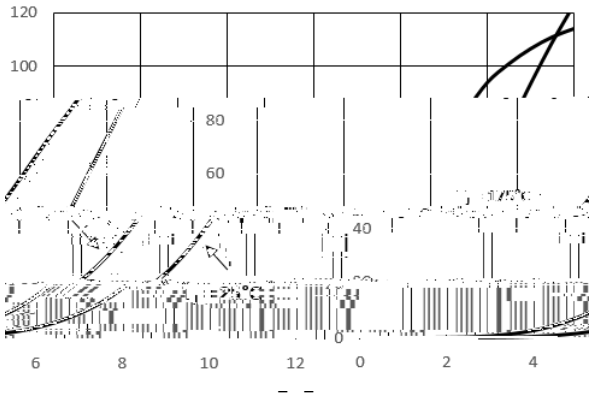
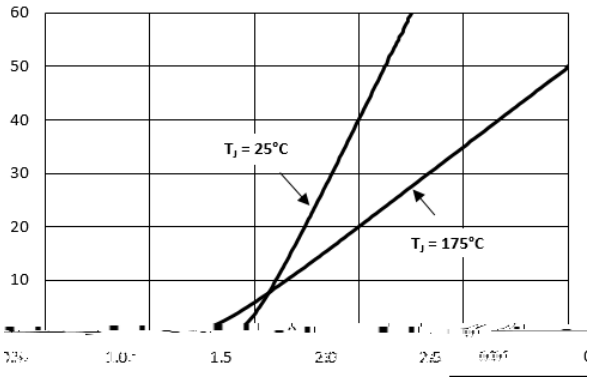
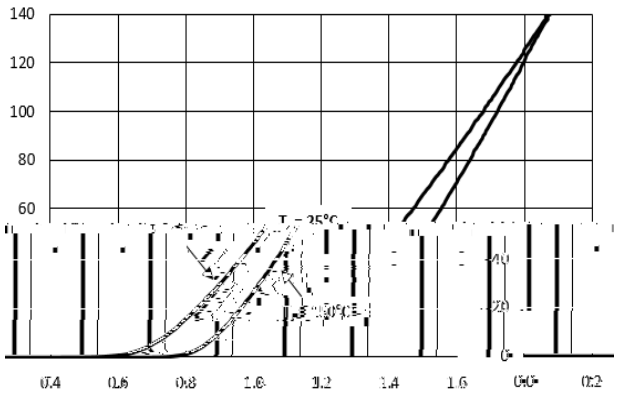
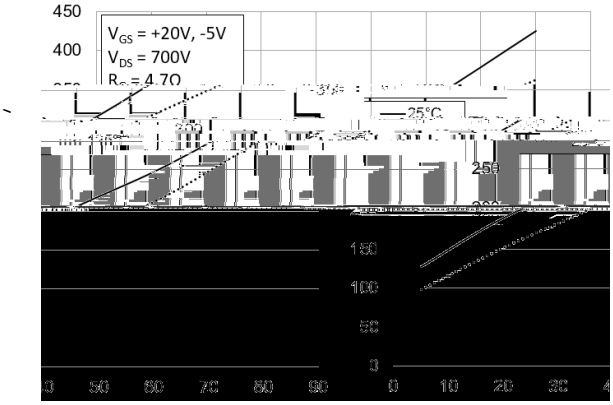

70
60
T_J = 25°C

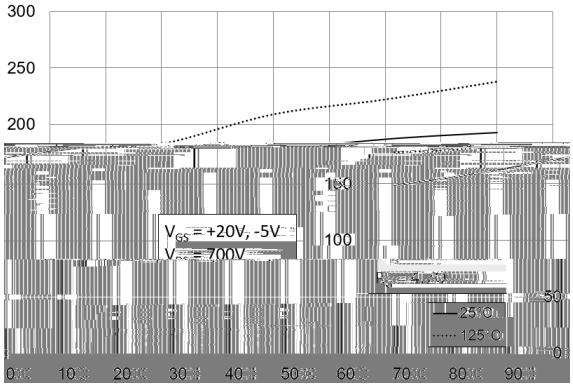

100

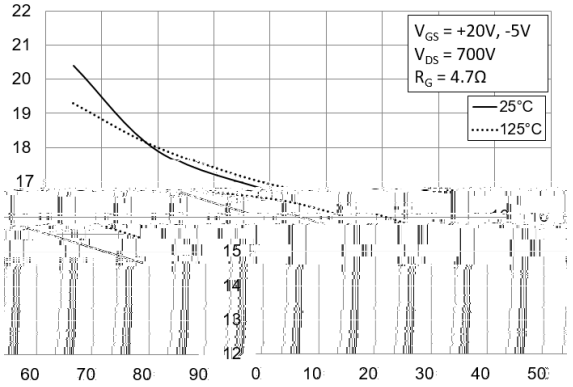

120
100
80
60
40
6
8
10
12
0
2
4

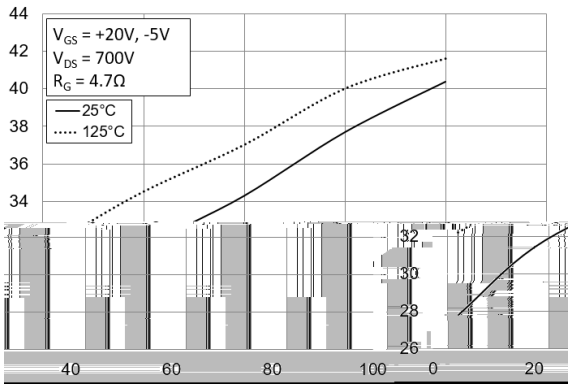

60
50
40
30
20
10
T_J = 25°C
T_J = 175°C
1.5
2.0
2.5

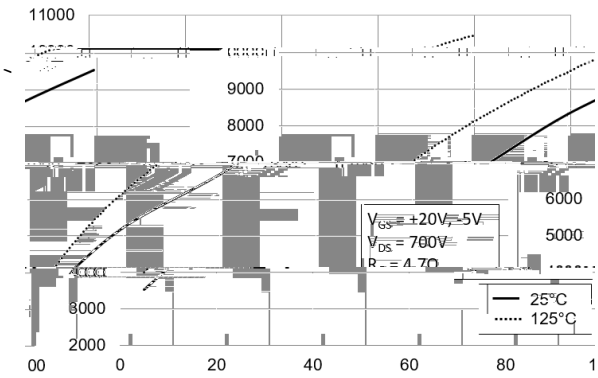

140
120
100
80
60
0.4
0.6
0.8
1.0
1.2
1.4
1.6

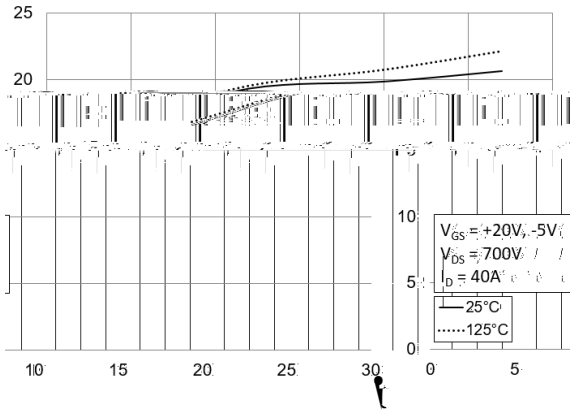

450
400
V_{GS} = +20V, -5V
V_{DS} = 700V
25°C
150
100
50
0
10
20
30
40
50
60
70
80
90

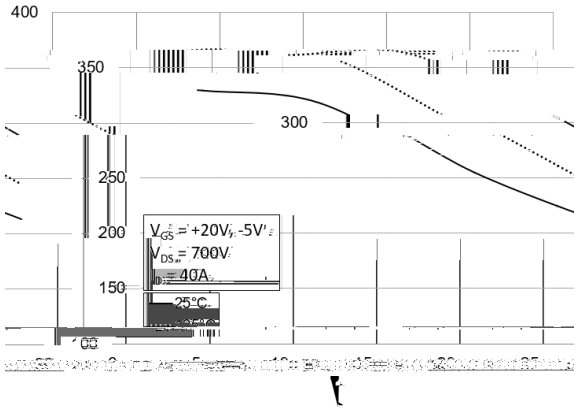

300
250
200
150
100
50
0
V_{GS} = +20V, -5V
V_{DS} = 700V
R_G = 4.7Ω
25°C
125°C
0
10
20
30
40
50
60
70
80
90

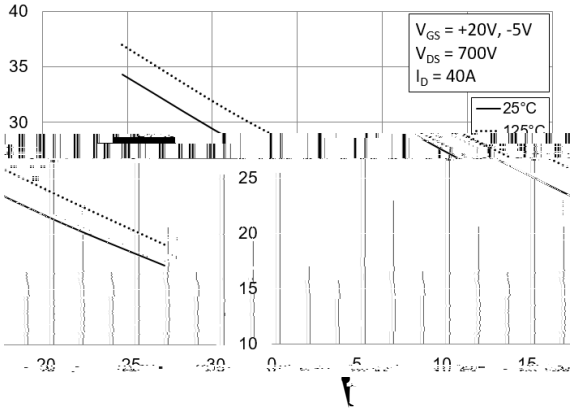

22
21
20
19
18
17
16
15
14
13
12
V_{GS} = +20V, -5V
V_{DS} = 700V
R_G = 4.7Ω
25°C
125°C
60
70
80
90
0
10
20
30
40
50

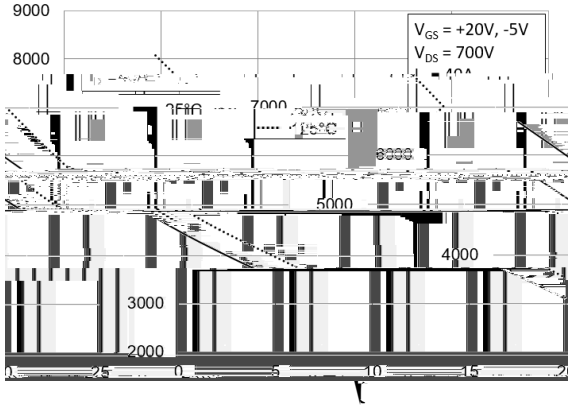

44
42
40
38
36
34
32
30
28
26
V_{GS} = +20V, -5V
V_{DS} = 700V
R_G = 4.7Ω
25°C
125°C
40
60
80
100
0
20

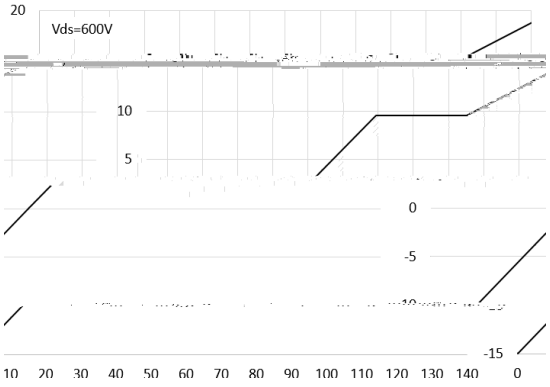

11000
9000
8000
6000
5000
2000
V_{GS} = +20V, -5V
V_{DS} = 700V
25°C
125°C


25
20
10
5
0
V_{GS} = +20V, -5V
V_{DS} = 700V
I_D = 40A
25°C
125°C


400
350
300
250
200
150
V_{GS} = +20V, -5V
V_{DS} = 700V
I_D = 40A
25°C


40
35
30
25
20
15
10
V_{GS} = +20V, -5V
V_{DS} = 700V
I_D = 40A
25°C


9000
8000
7000
6000
5000
4000
3000
2000
V_{GS} = +20V, -5V
V_{DS} = 700V


20
Vds=600V
10
5
0
-5
-15
10 20 30 40 50 60 70 80 90 100 110 120 130 140 0

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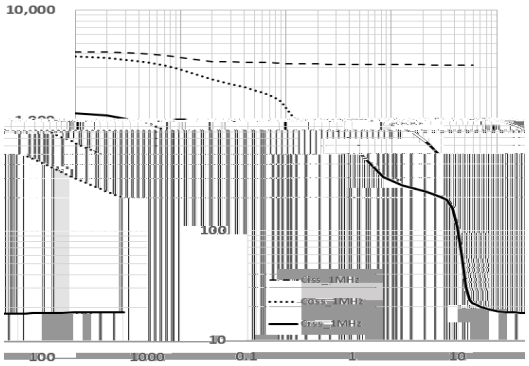
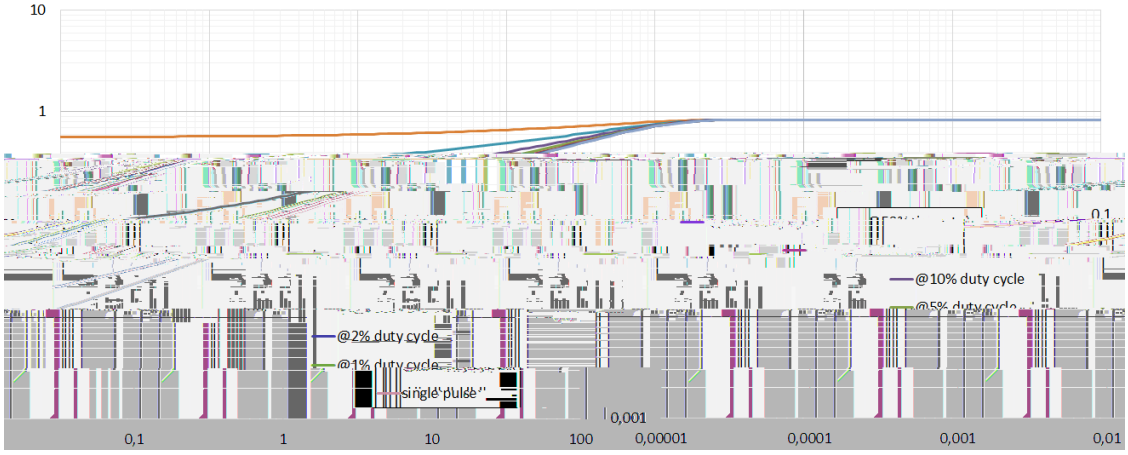
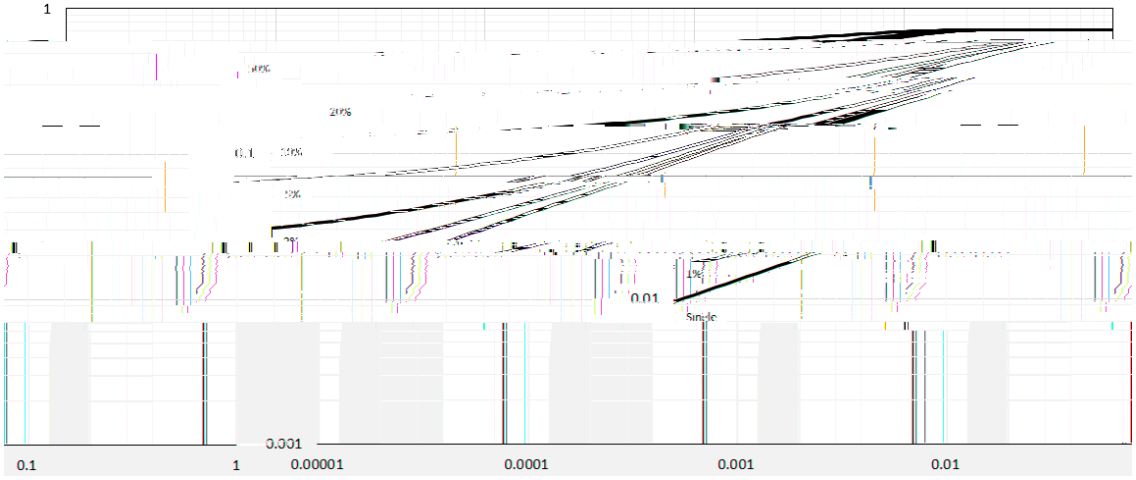
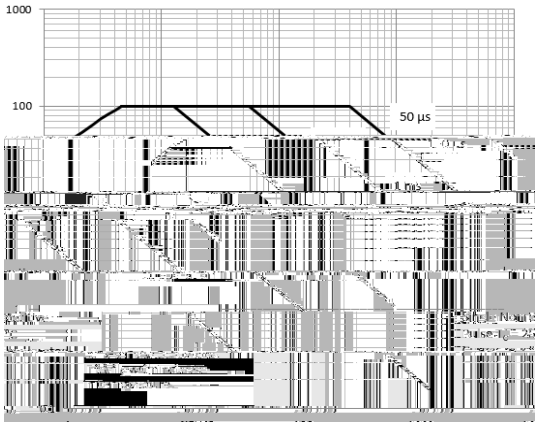

10,000
100
10
100
1000
0.1
1
10


10
1
0.1
@10% duty cycle
@2% duty cycle
@1% duty cycle
single pulse
0,001
0,1
1
10
100
0,00001
0,0001
0,001
0,01

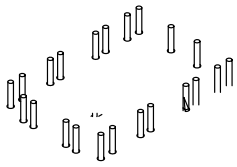

1
0.01
0.001
0.1
1
0.00001
0.0001
0.001
0.01

–


1000
100
50 µs

PIM22, 55x32.5 / Q0BOOST
CASE 180AJ
ISSUE B

DATE 08 NOV 2017



2. CO

ND IS MEASURED BETWEEN 1.00 AND 3.00 FROM