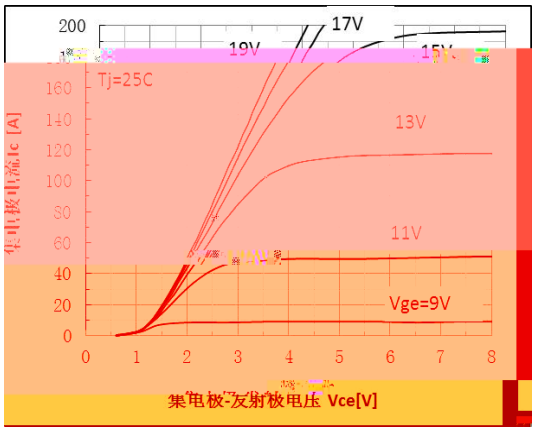
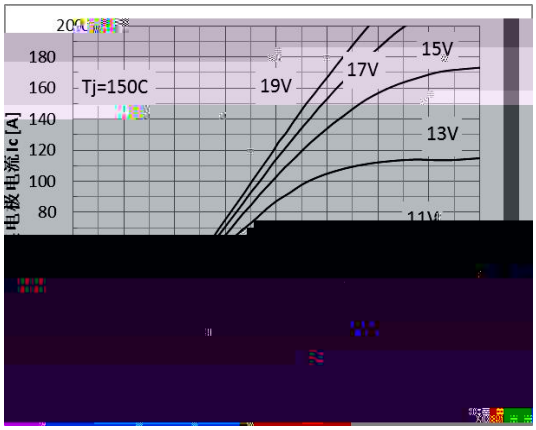
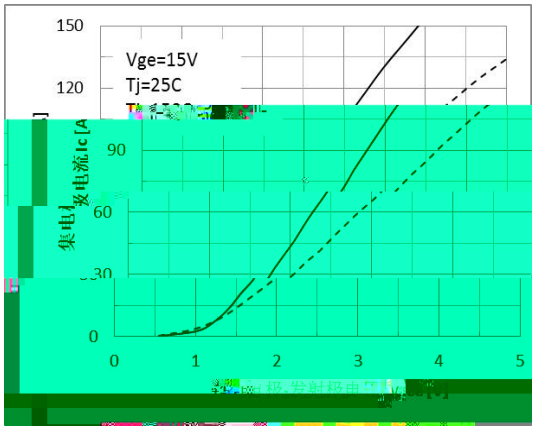



200
17V
19V
15V
Tj=25C
160
140
120
100
80
60
40
20
0
13V
11V
Vge=9V
0
1
2
3
4
5
6
7
8
集电极-发射极电压 Vce[V]

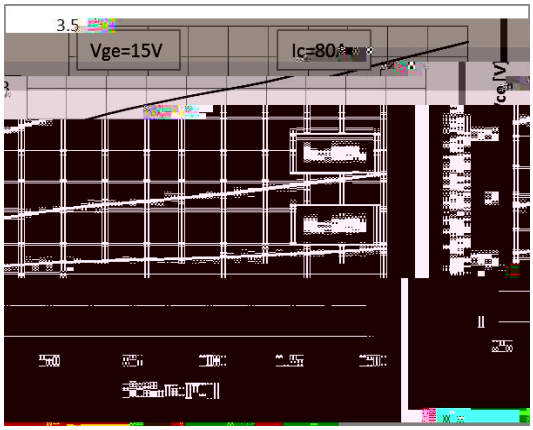
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180
160
Tj=150C
140
120
100
80
19V
17V
15V
13V
11V

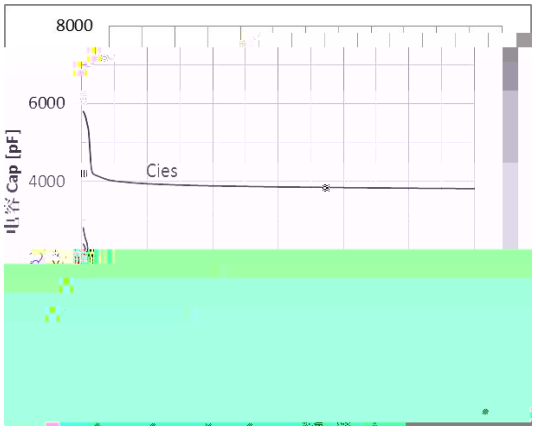
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150
120
90
60
30
0
Vge=15V
Tj=25C
0
1
2
3
4
5

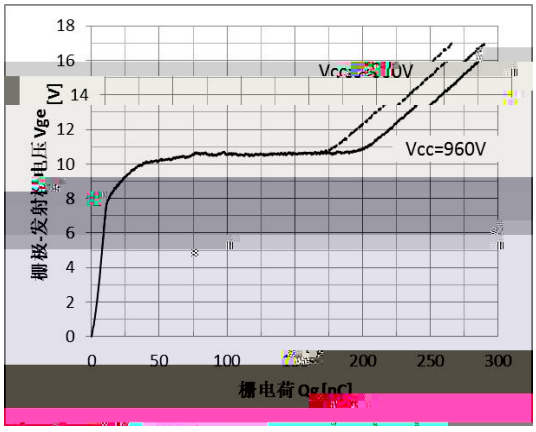
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3.5
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Ic=80A

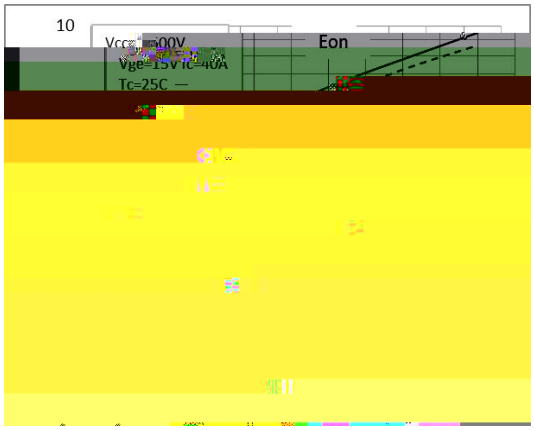
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8000
6000
4000
Cies

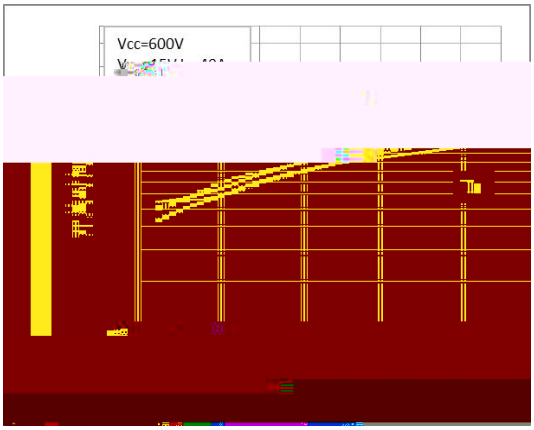
5


18
16
14
12
10
8
6
4
2
0
Vcc=960V
0
50
100
200
250
300
栅电荷 Qg[nC]

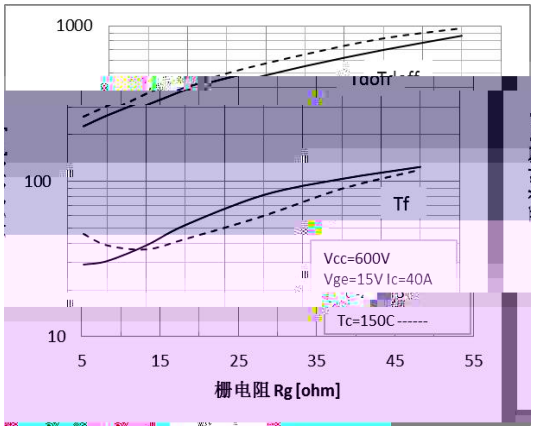
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10
Eon
Tc=25C —

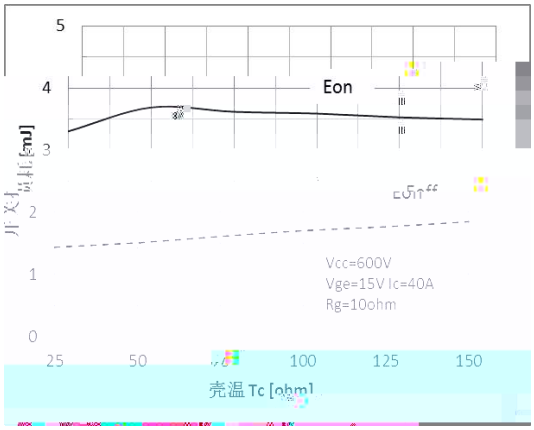
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Vcc=600V

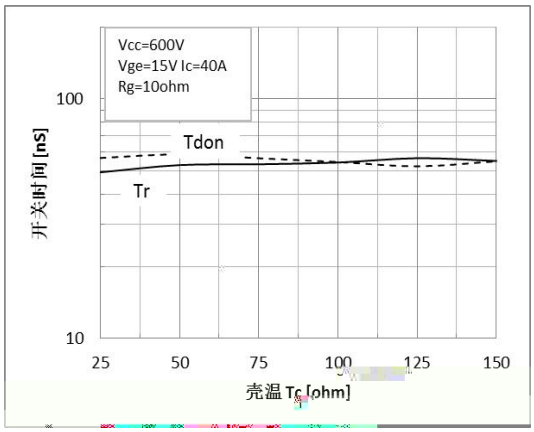
8 -


1000
100
10
Tf
Vcc=600V
Vge=15V Ic=40A
Tc=150C------
5
15
25
35
45
55
栅电阻 Rg [ohm]

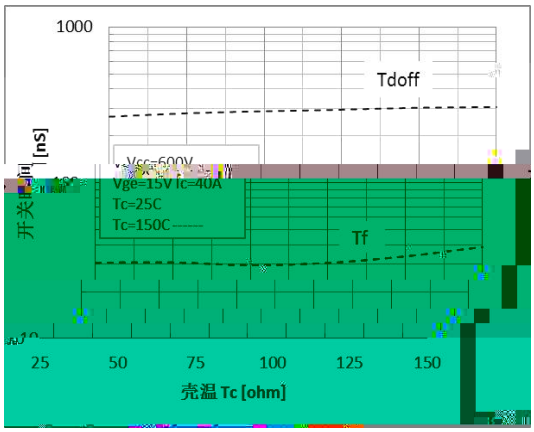
9 -


5
4
3
2
1
0
Eon
Vcc=600V
Vge=15V Ic=40A
Rg=10ohm
25
50
100
125
150
壳温 Tc [ohm]

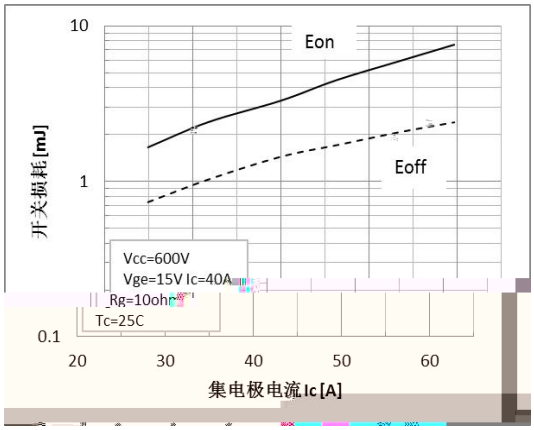
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Vcc=600V
Vge=15V Ic=40A
Rg=10ohm
100
10
Tdon
Tr
开关时间 [nS]
25
50
75
100
125
150
壳温 Tc [ohm]

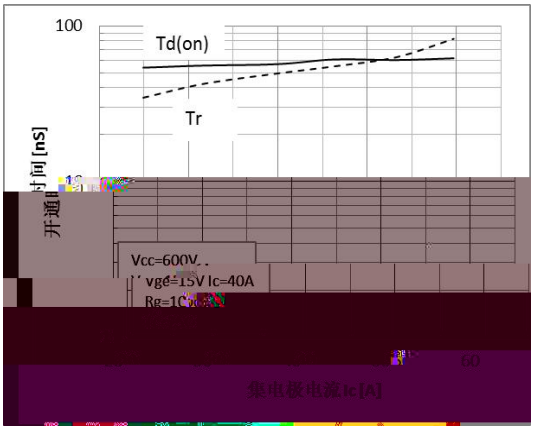
11


1000
Tdoff
开关时间 [nS]
Vge=15V Ic=40A
Tc=25C
Tc=150C------
Tf
25
50
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125
150
壳温 Tc [ohm]

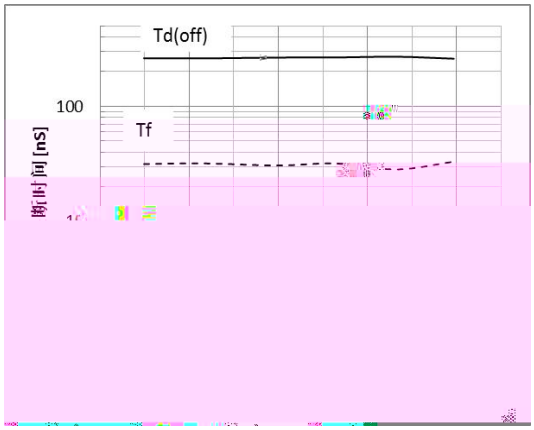
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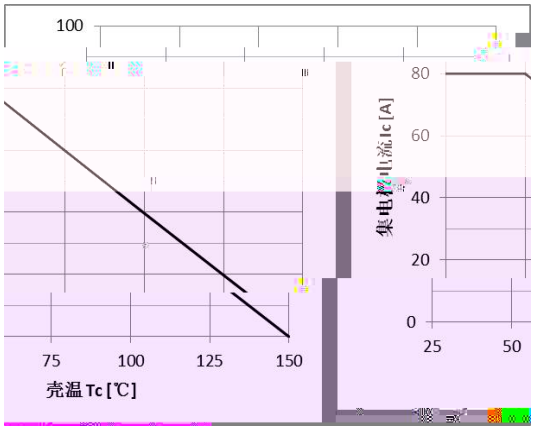
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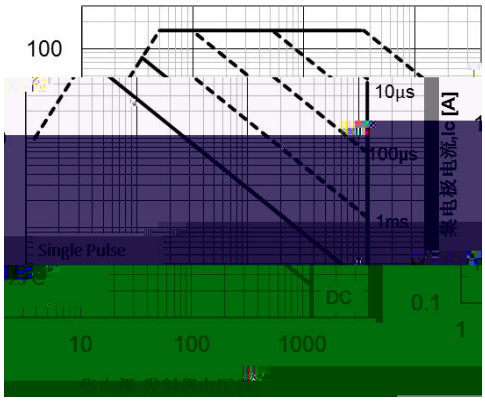
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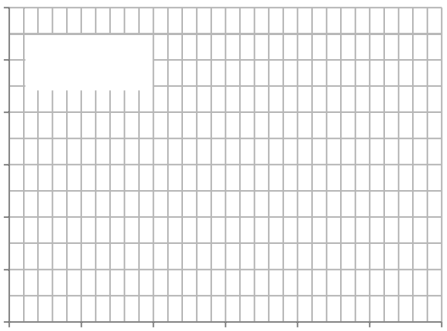
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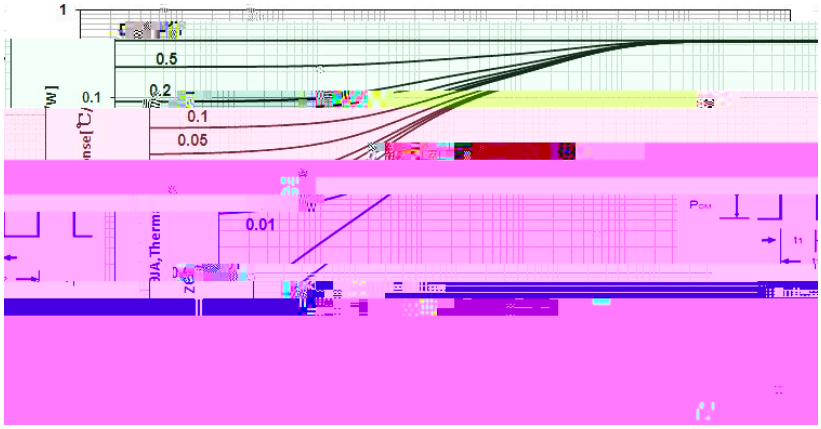
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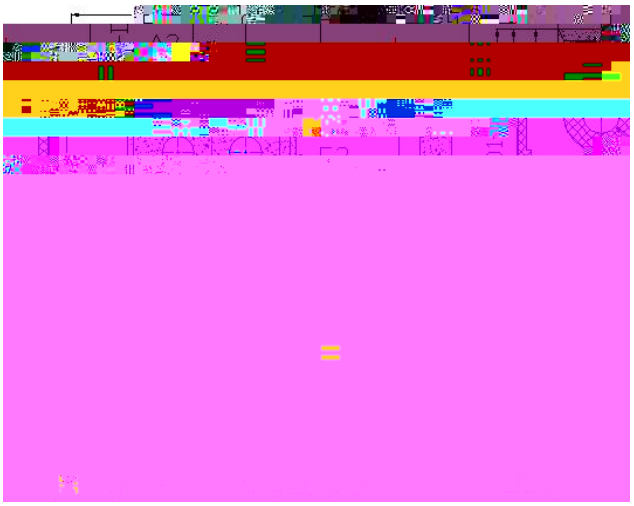


17



18


1
0.5
0.2
0.1
0.05
0.01



1

2

3

4