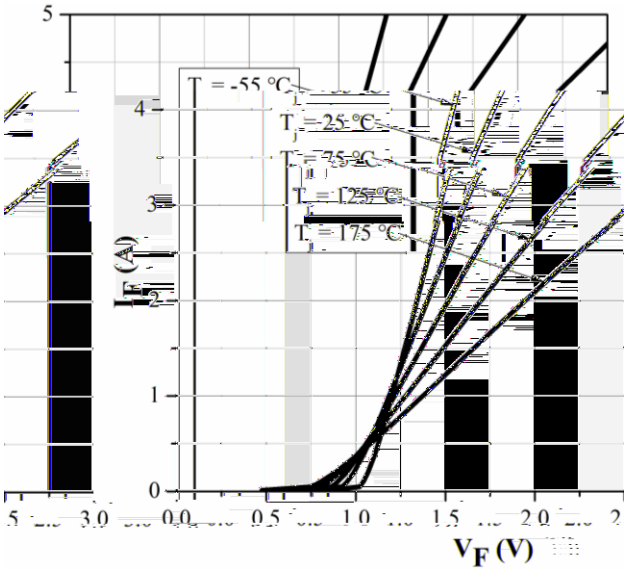
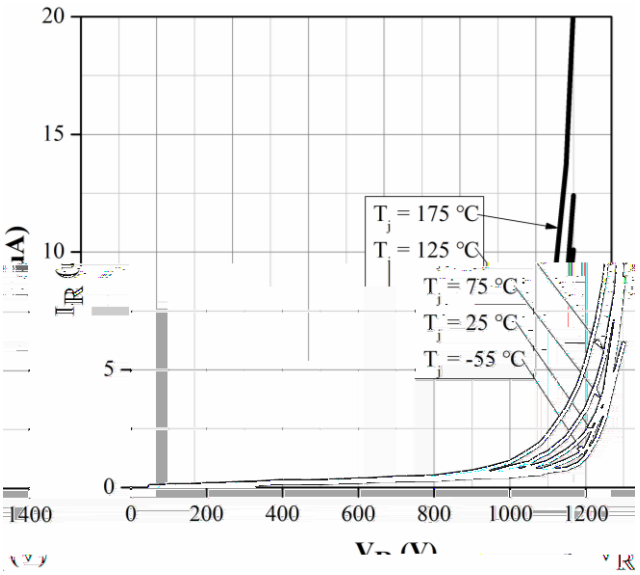
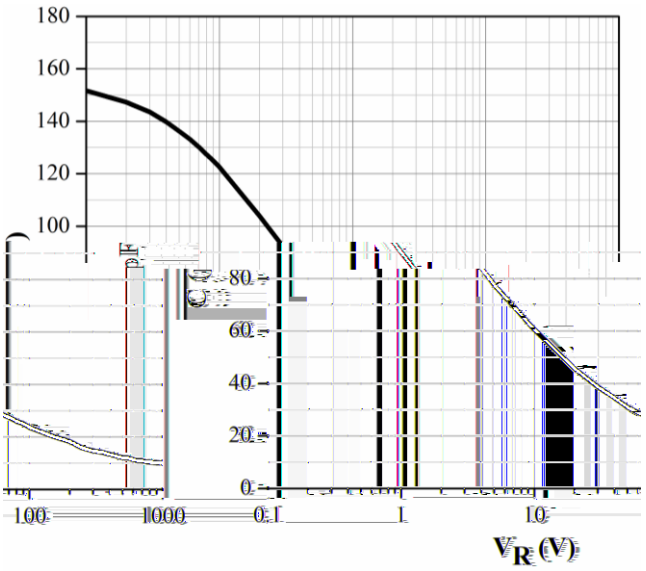
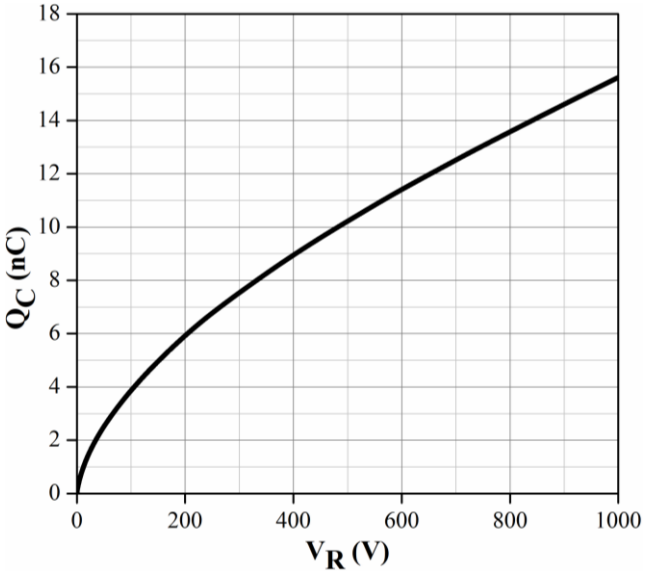
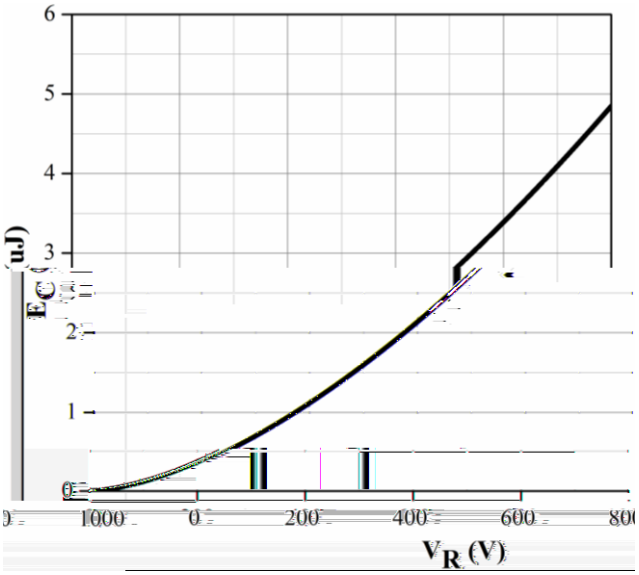
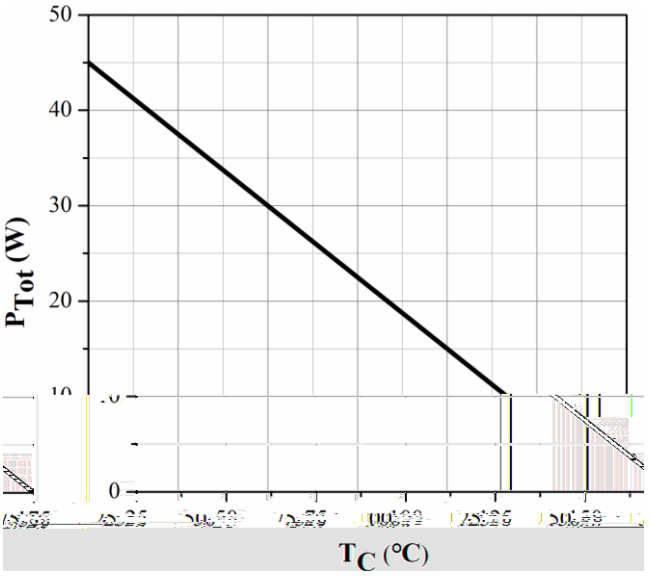

5
4
3
2
1
0
I_F (A)
T_j = -55 °C
T_j = 25 °C
T_j = 75 °C
T_j = 125 °C
T_j = 175 °C
V_F (V)

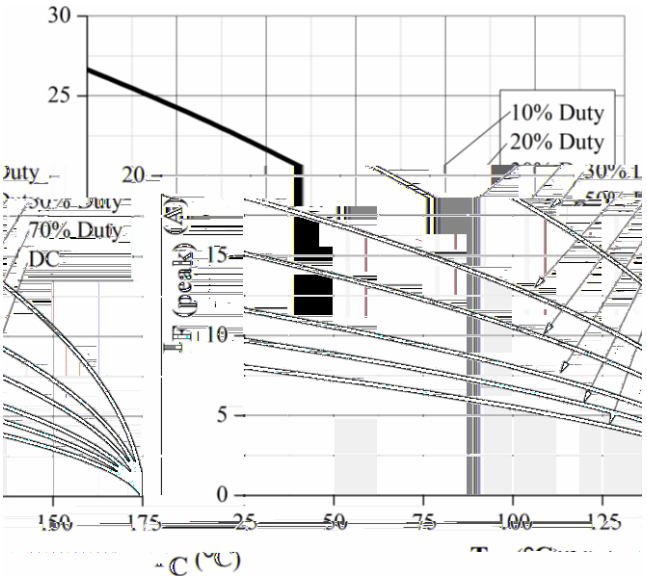

20
15
10
5
0
T_j = 175 °C
T_j = 125 °C
T_j = 75 °C
T_j = 25 °C
T_j = -55 °C
0
200
400
600
800
1000
1200

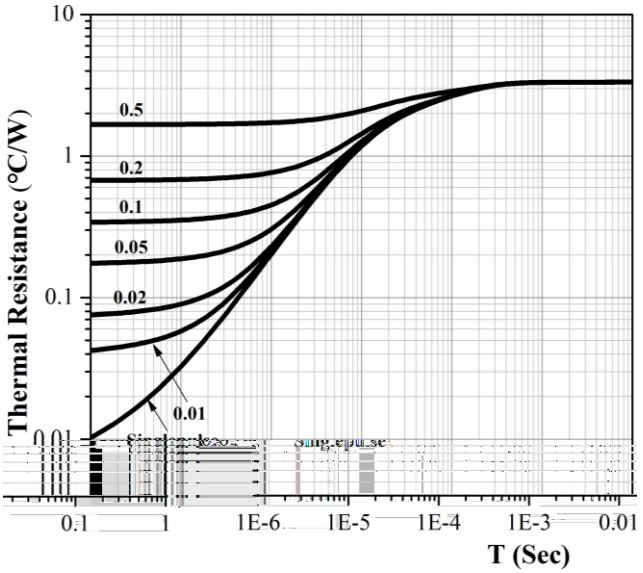

180
160
140
120
100
80
60
40
20
0
100
1000
0.1
1
10
VR (V)


18
16
14
12
10
8
6
4
2
0
QC (nC)
0
200
400
600
800
1000
VR (V)


6
5
4
3
2
1
0
1000
0
200
400
600
VR (V)


50
40
30
20
0
PTot (W)
TC (°C)


30
25
20
15
10
5
0
10% Duty
20% Duty
70% Duty
DC
150
175
25
50
75
100
125


10
1
0.1
0.01
0.5
0.2
0.1
0.05
0.02
0.01
Thermal Resistance (°C/W)
0.1
1
1E-6
1E-5
1E-4
1E-3
0.01
T (Sec)

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