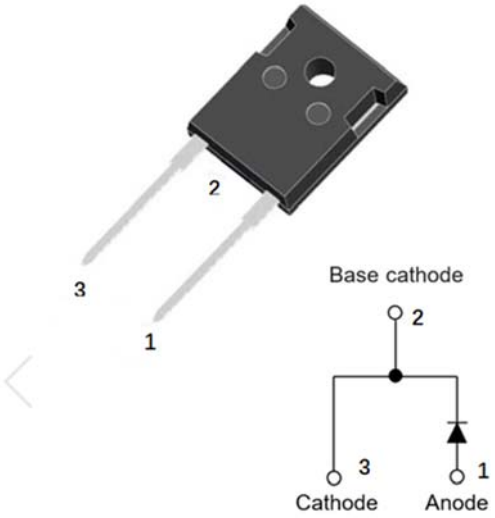
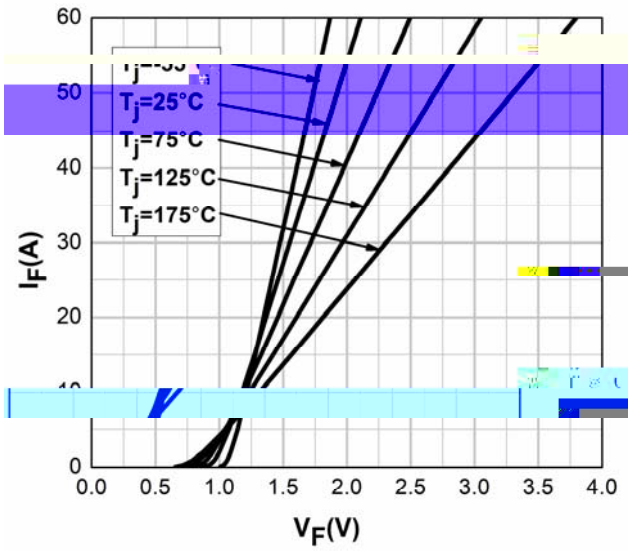
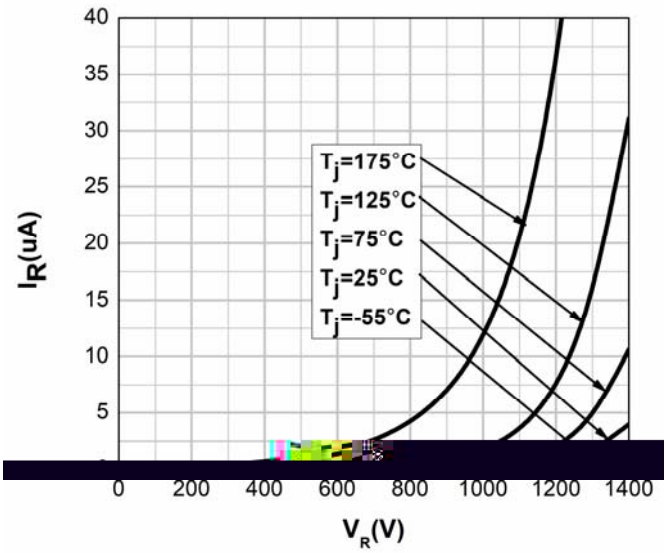
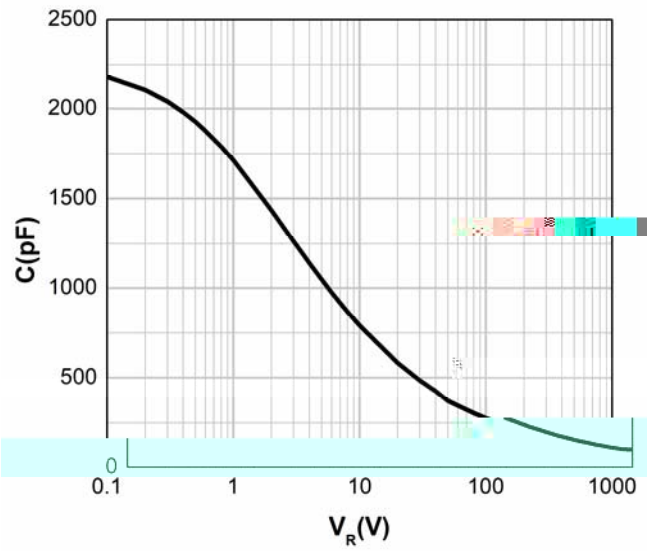
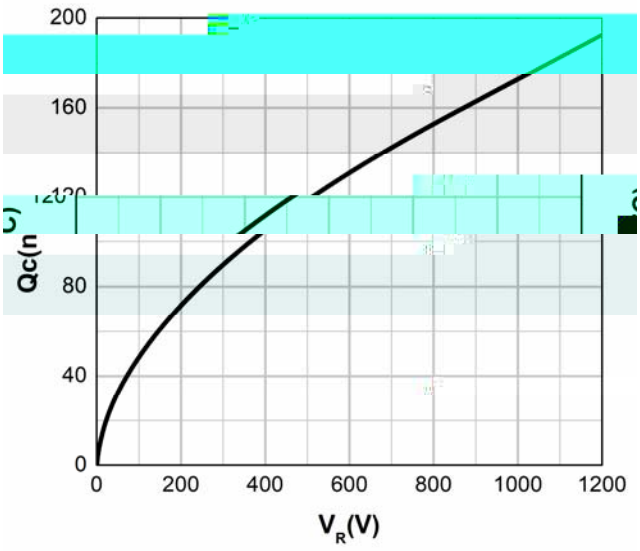
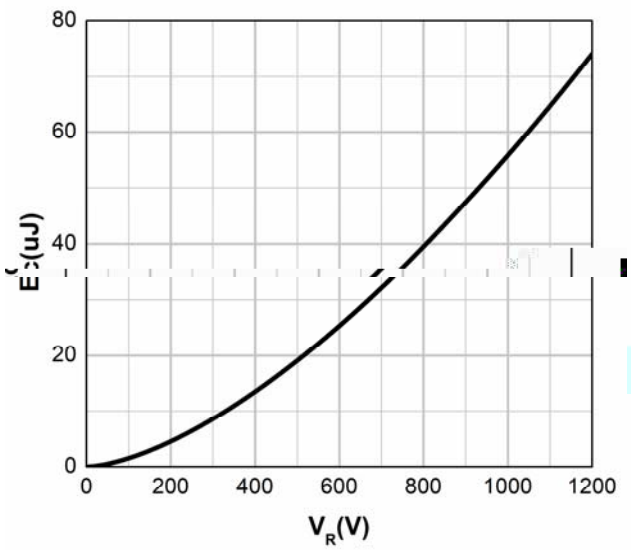

2
3
1
Base cathode
2
3
1
Cathode
Anode

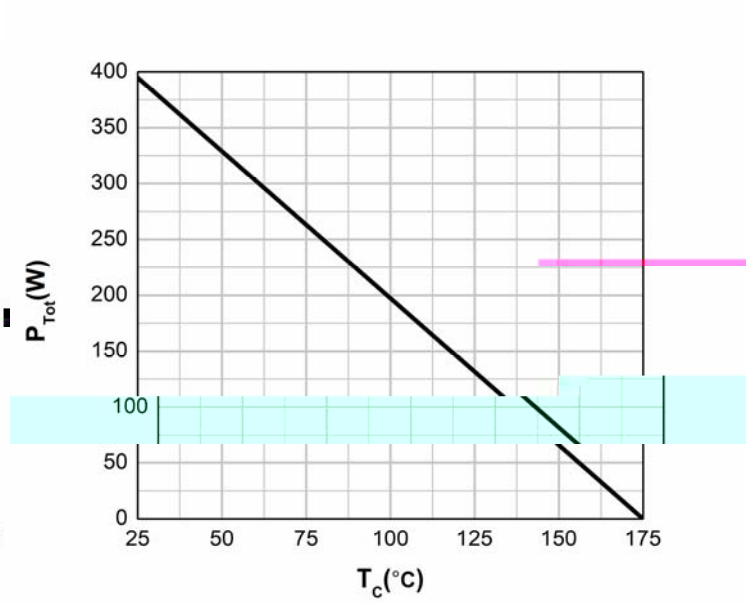

60
50
40
30
20
0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
I_F(A)
V_F(V)
T_j=25°C
T_j=75°C
T_j=125°C
T_j=175°C

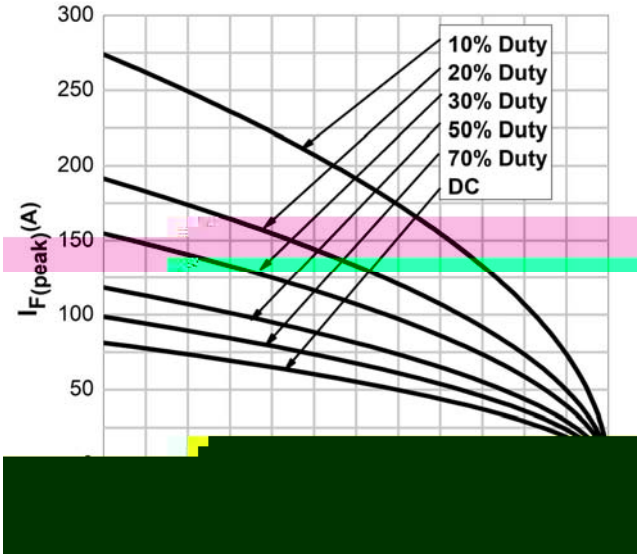

40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
I_R(uA)
V_R(V)
T_j=175°C
T_j=125°C
T_j=75°C
T_j=25°C
T_j=-55°C

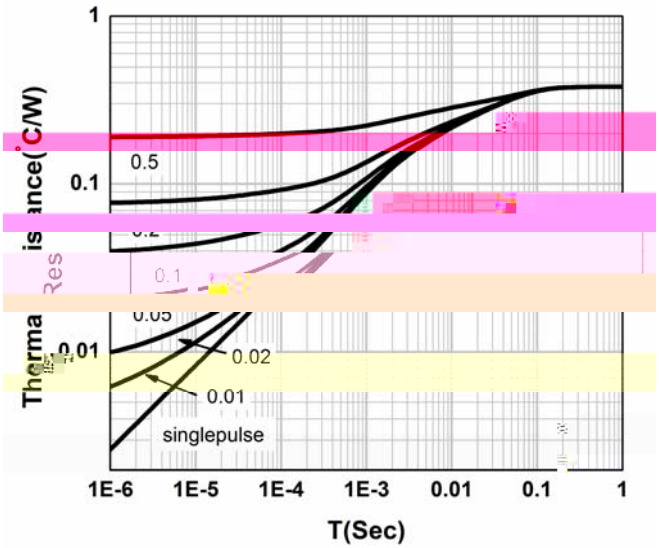

2500
2000
1500
1000
500
0
C(pF)
0.1
1
10
100
1000
V_R(V)

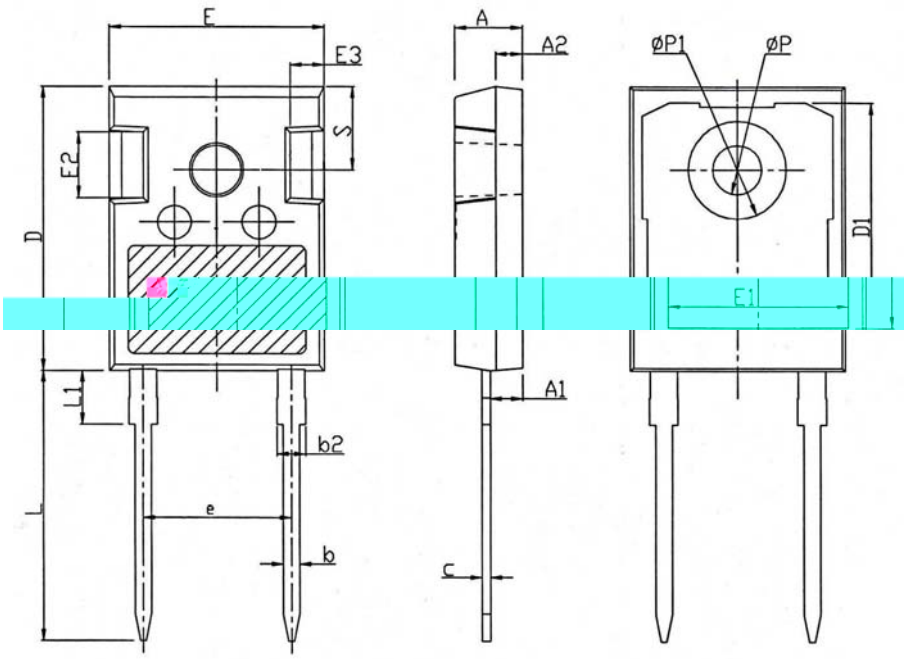

200
160
80
40
0
0
200
400
600
800
1000
1200
V_R(V)


80
60
40
20
0
0
200
400
600
800
1000
1200
V_R(V)


400
350
300
250
200
150
100
50
0
P_{Tot}(W)
25
50
75
100
125
150
175
T_C(°C)


300
250
200
150
100
50
$I_{F(peak)}$(A)
10% Duty
20% Duty
30% Duty
50% Duty
70% Duty
DC


1
0.5
0.1
0.1
0.05
0.01
0.02
0.01
singlepulse
1E-6
1E-5
1E-4
1E-3
0.01
0.1
1
T(Sec)


E
E3
S
E2
D
L1
L
b2
e
b
A
A2
A1
c
øP1
øP
D1
E1