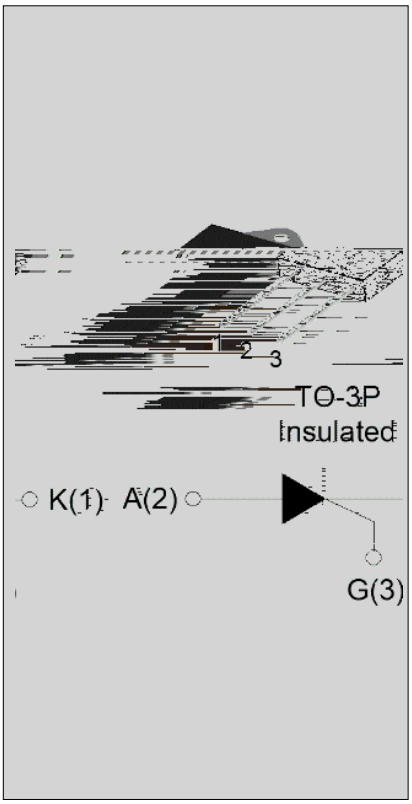
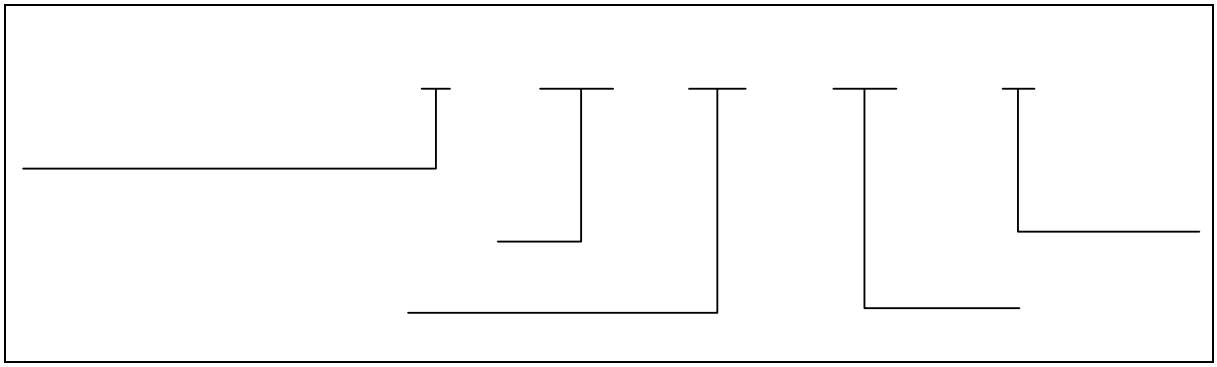
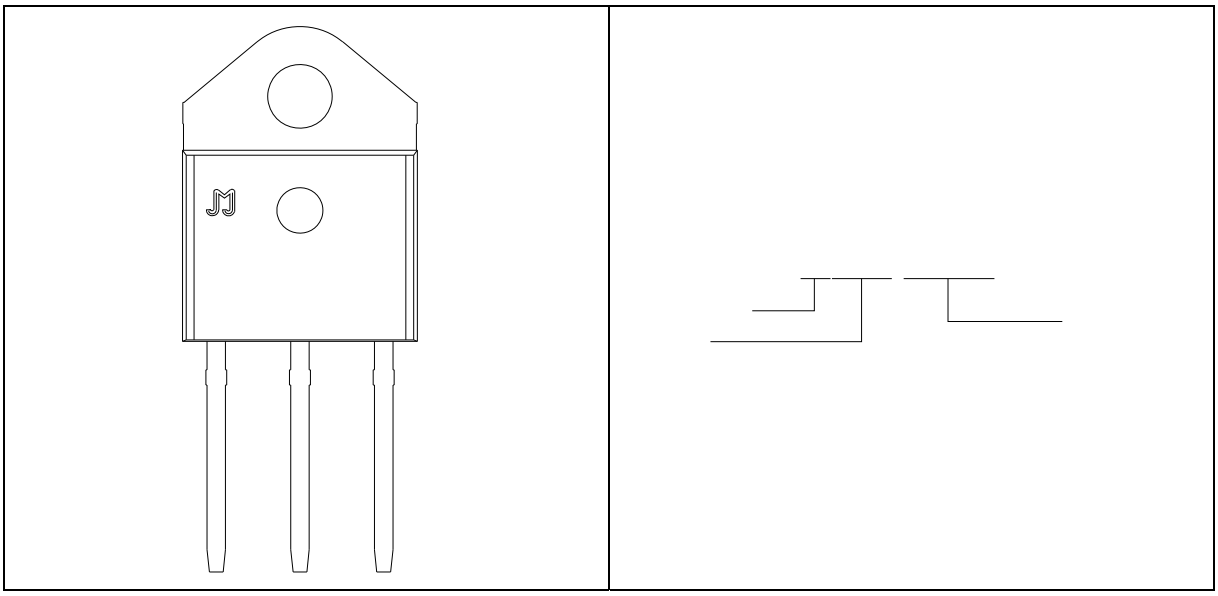
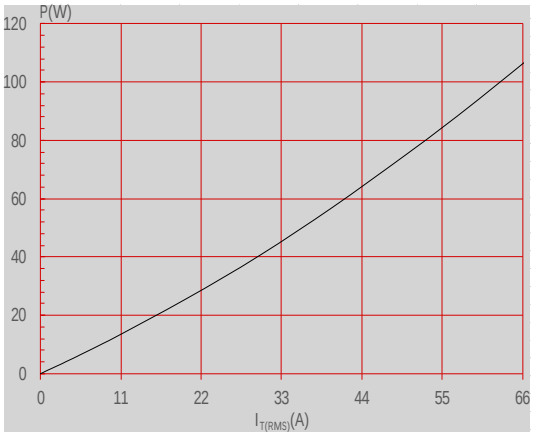
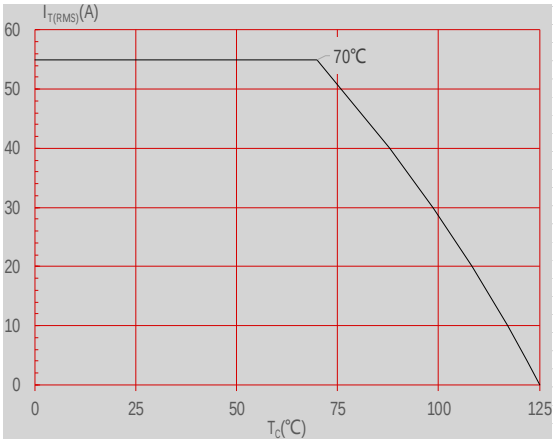
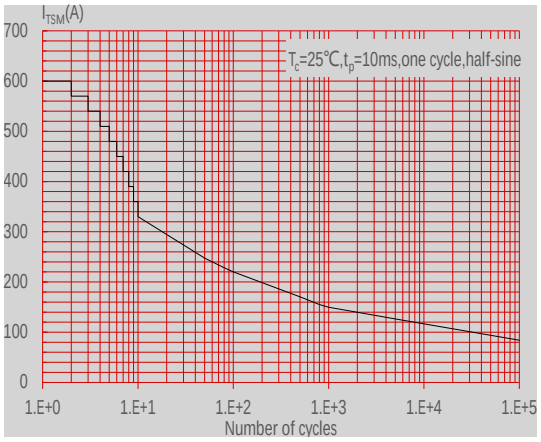

2
3
TO-3P
Insulated
K(1)
A(2)
G(3)

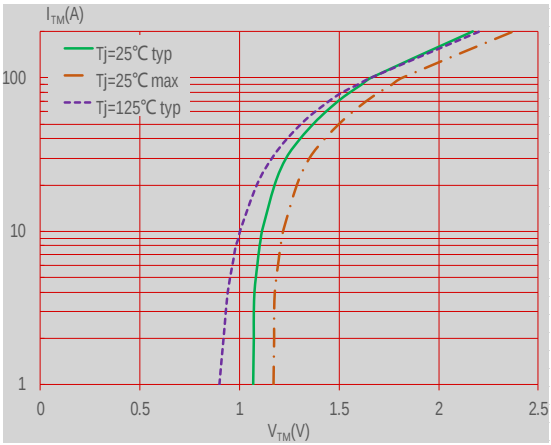


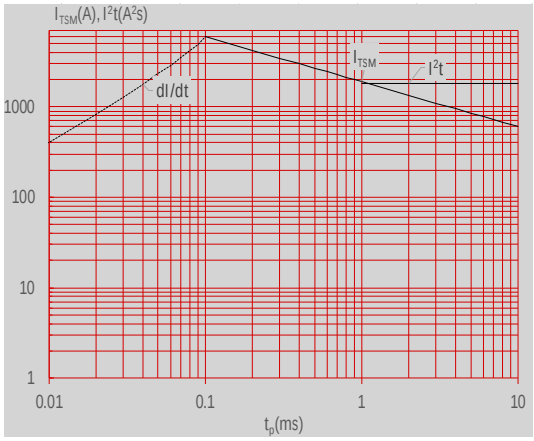


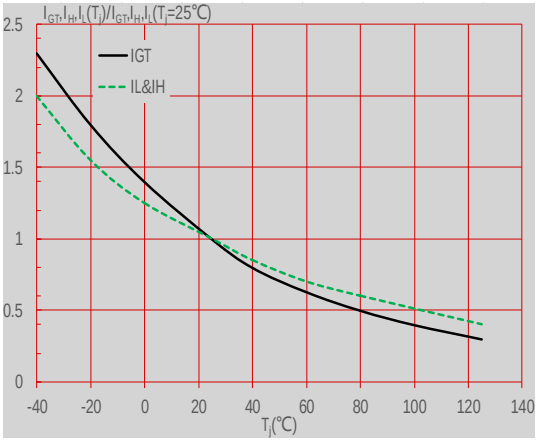
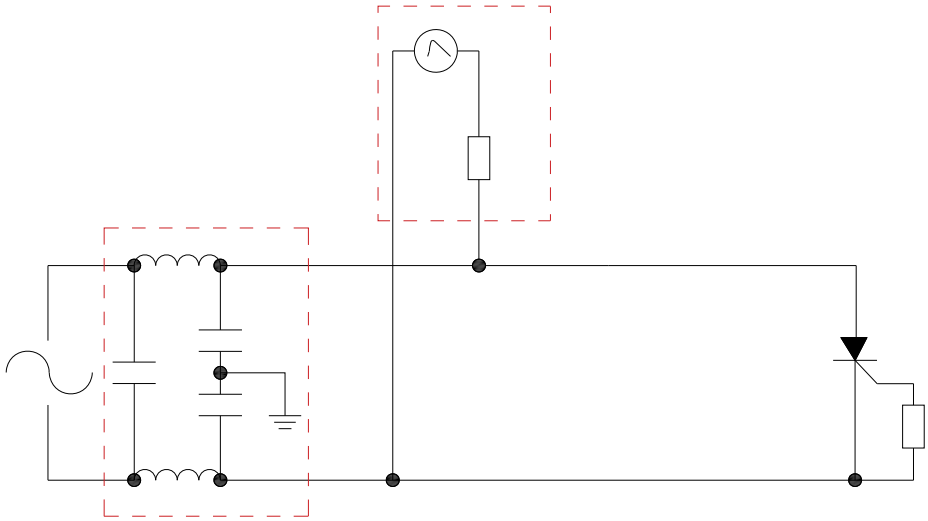
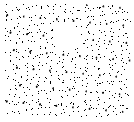

P(W)
120
100
80
60
40
20
0
0
11
22
33
44
55
66
I T(RMS)(A)


I T(RMS)(A)
60
50
40
30
20
10
0
70℃
0
25
50
75
100
125
Tc(℃)


I TSM(A)
700
600
500
400
300
200
100
0
Tc=25℃,tp=10ms,one cycle,half-sine
1.E+0
1.E+1
1.E+2
1.E+3
1.E+4
1.E+5
Number of cycles


I TM(A)
Tj=25℃ typ
Tj=25℃ max
Tj=125℃ typ
100
10
1
0
0.5
1
1.5
2
2.5
V TM(V)


I TSM(A), I²t(A²s)
1000
100
10
1
dI/dt
I TSM
I²t
0.01
0.1
1
10
tp(ms)


I GT,I H,I L(Tj)/I GT,I H,I L(Tj=25℃)
2.5
2
1.5
1
0.5
0
IGT
IL&IH
-40
-20
0
20
40
60
80
100
120
140
Tj(℃)