Electrical Characteristics of the DIODE

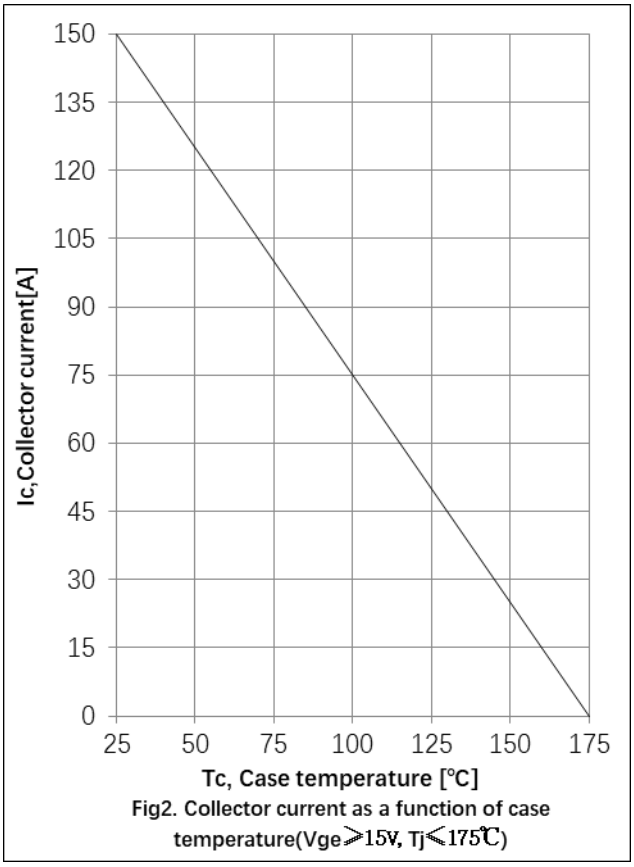
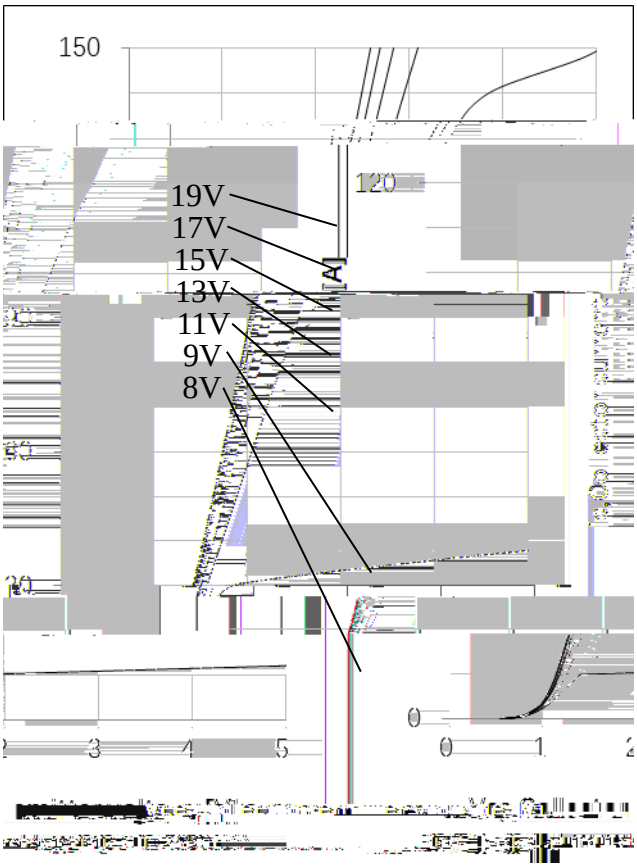
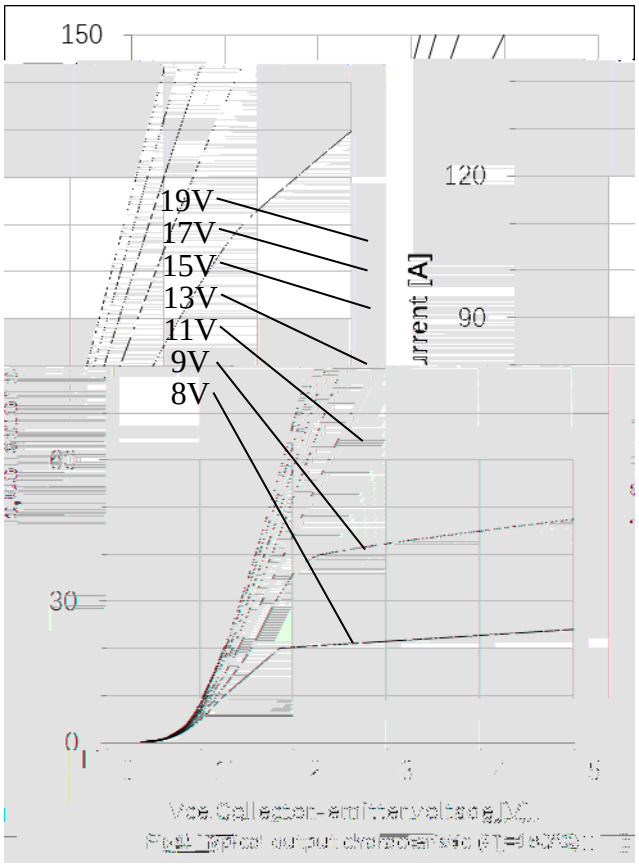
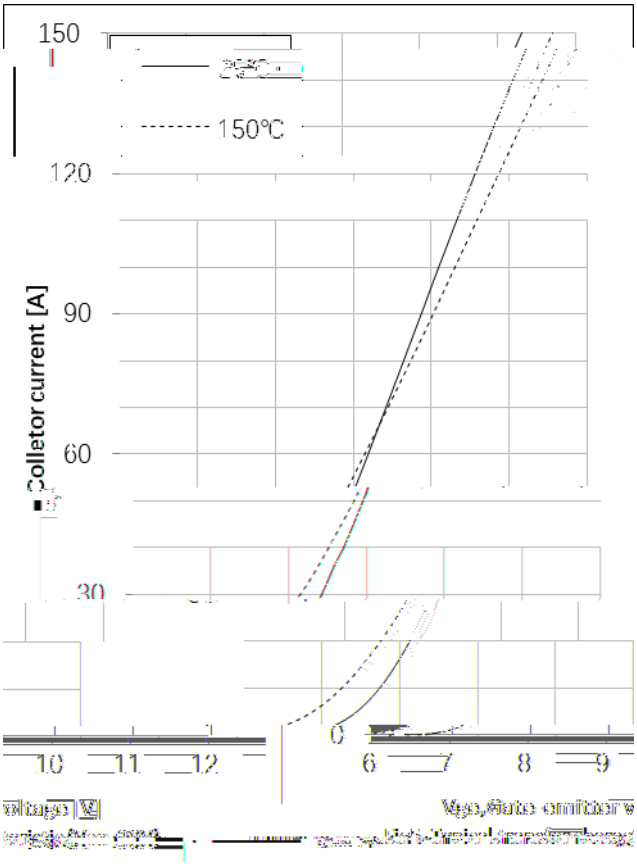
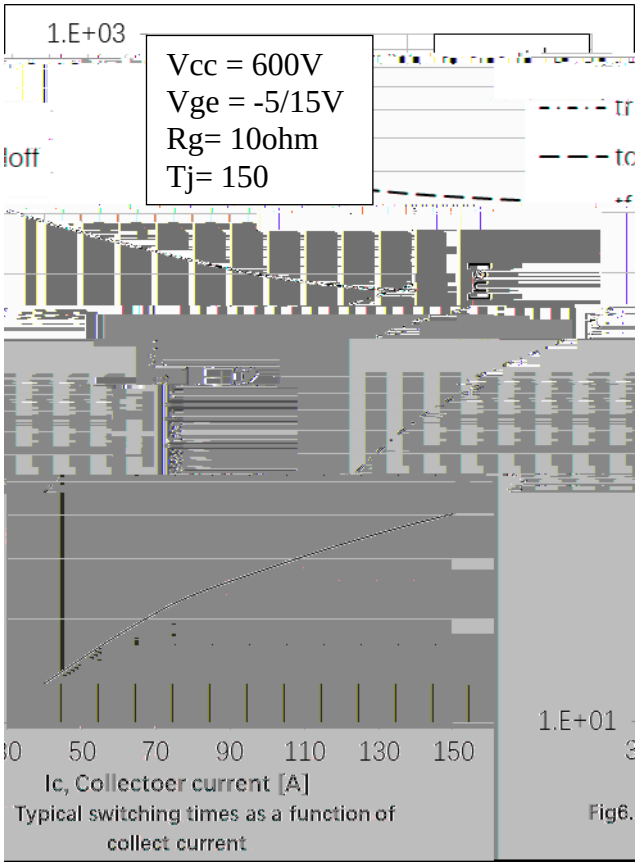


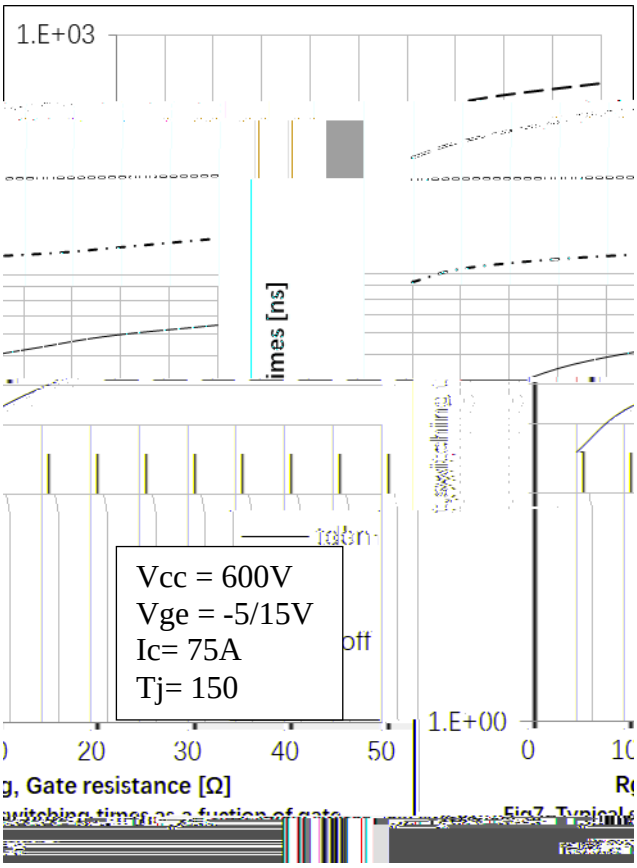
Fig2. Collector current as a function of case temperature(Vge≥15V, Tj≤175℃)

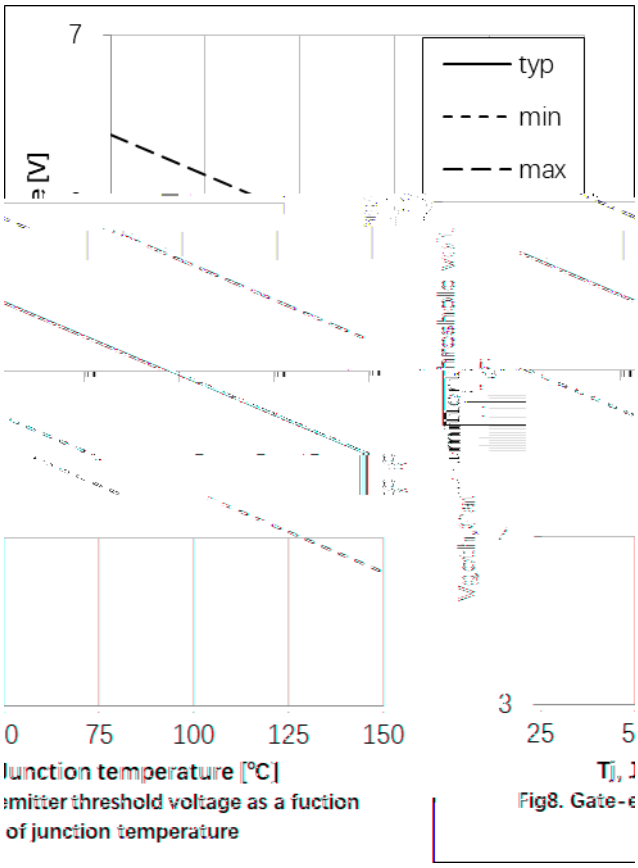


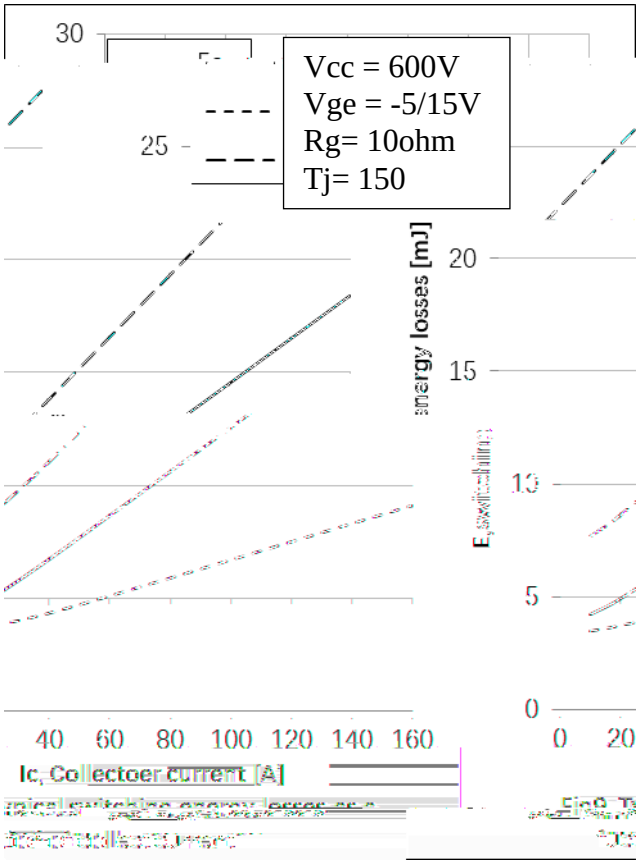



150
150℃
120
90
60
30
0
Colletor current [A]
10
11
12
6
7
8
9

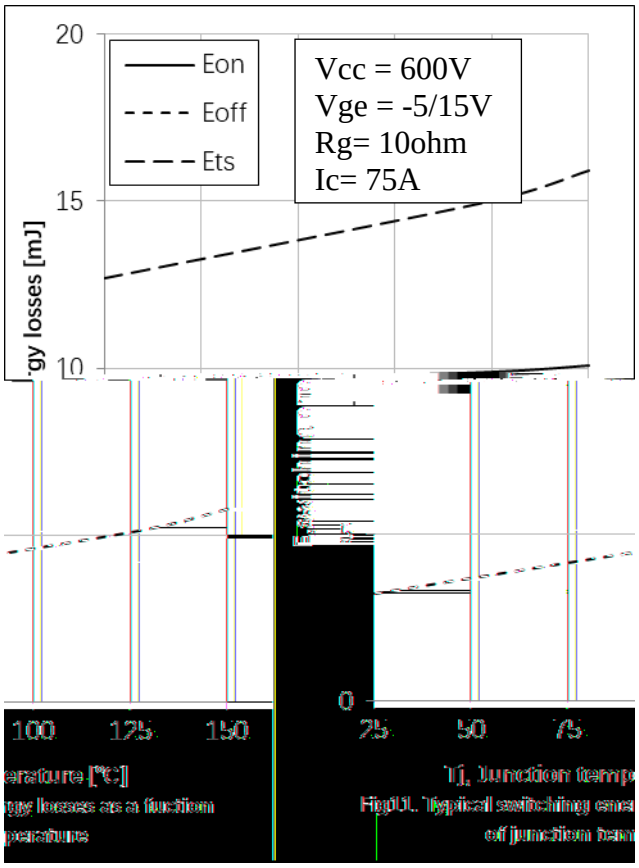

1.E+03
Vcc = 600V
Vge = -5/15V
Rg= 10ohm
Tj= 150
toff
tf
1.E+01
50
70
90
110
130
150
Ic, Collectoer current [A]
Typical switching times as a function of collect current
Fig6.

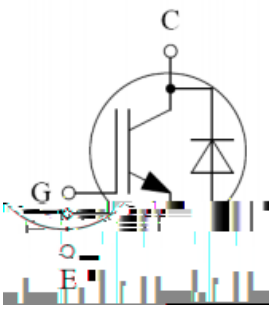

1.E+03
imes [ns]
Vcc = 600V
Vge = -5/15V
Ic= 75A
Tj= 150
off
1.E+00
20
30
40
50
g, Gate resistance [Ω]

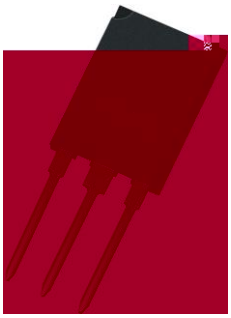
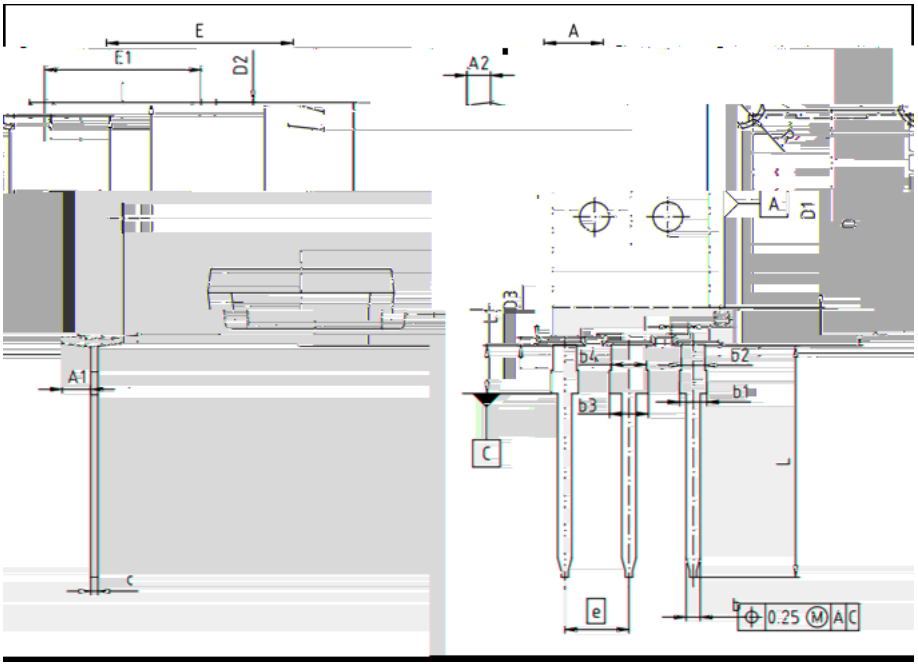

7
typ
min
max
3
0
75
100
125
150
25
lunction temperature [℃]
emitter threshold voltage as a fuction of junction temperature
Fig8. Gate-e



Vcc = 600V
Vge = -5/15V
Ic= 75A
Tj= 150







Package Outline Information