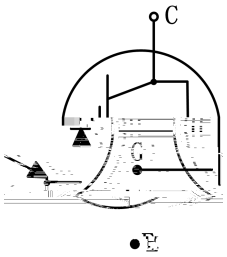
JJMICROELECTRONICS

650V 60A Trench and Field Stop IGBT

JJT60N65HEV

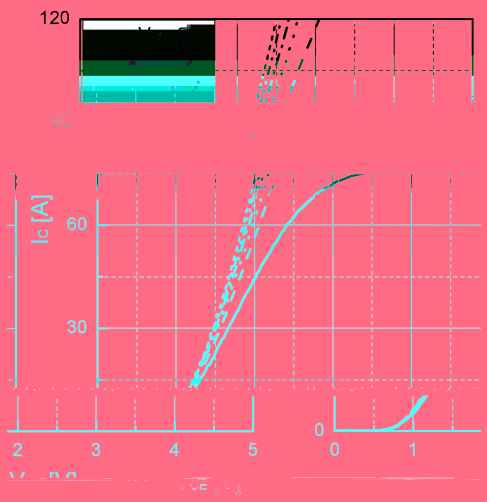


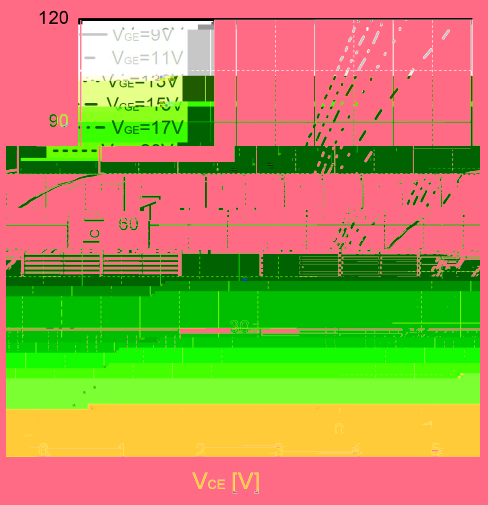
µS, 0.010

μ

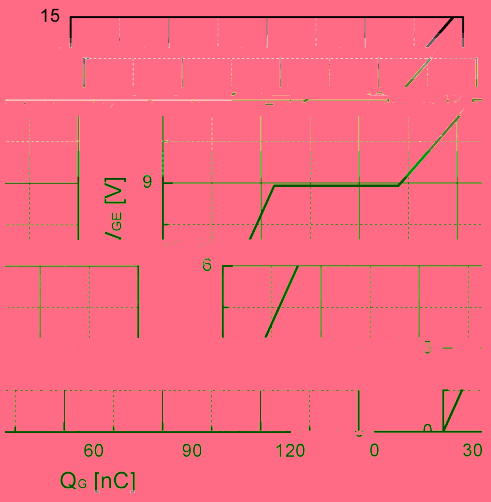
μ

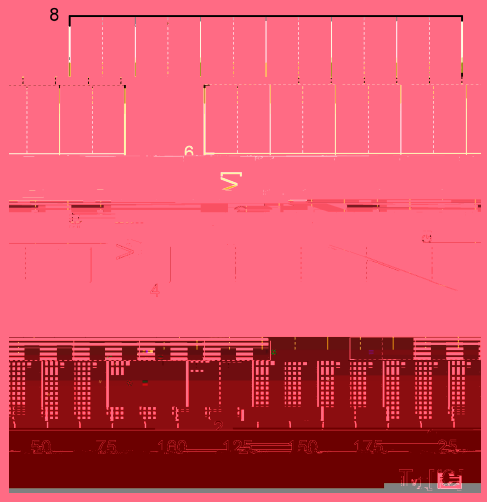
		μ				
		μ				

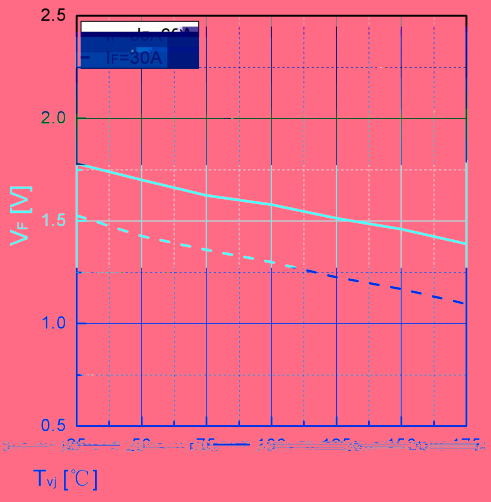

120
90
60
30
0
2
3
4
5
0
1

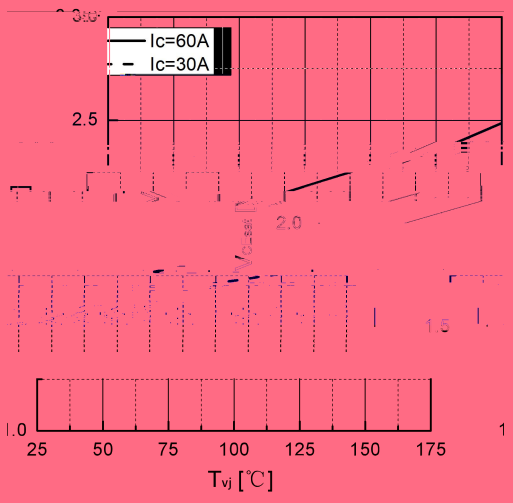

120
90
60
30
0
VGE=9V
VGE=11V
VGE=13V
VGE=15V
VGE=17V
VCE [V]

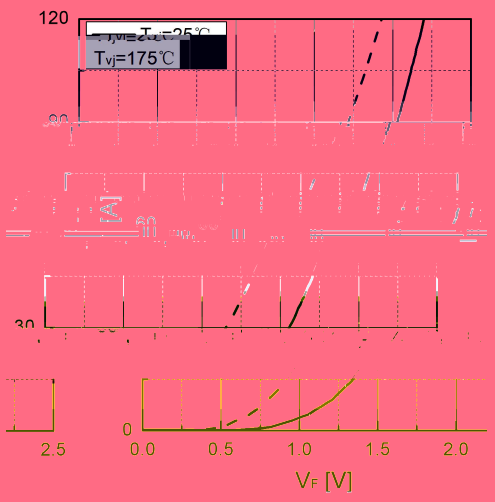

320
240
160
80
0
Ptot [W]

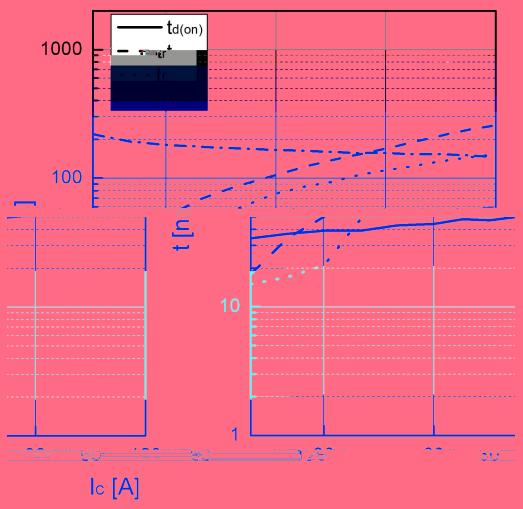

15
9
6
3
0
60
90
120
0
30
QG [nC]

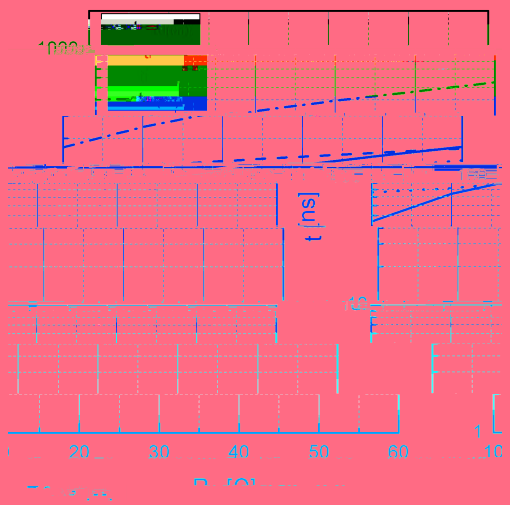

8
6

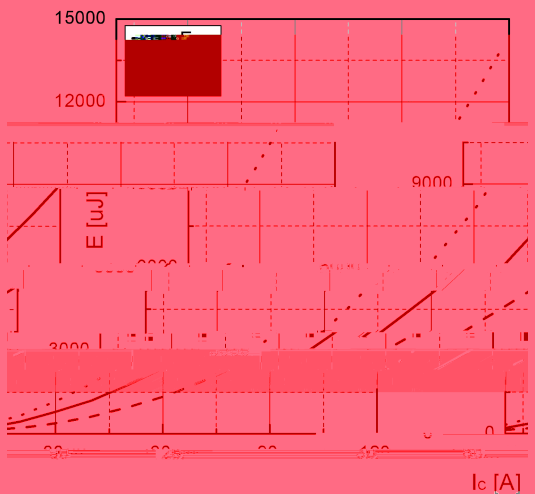

2.5
2.0
1.5
1.0
0.5
IF=30A
VF [V]
Tvj [°C]

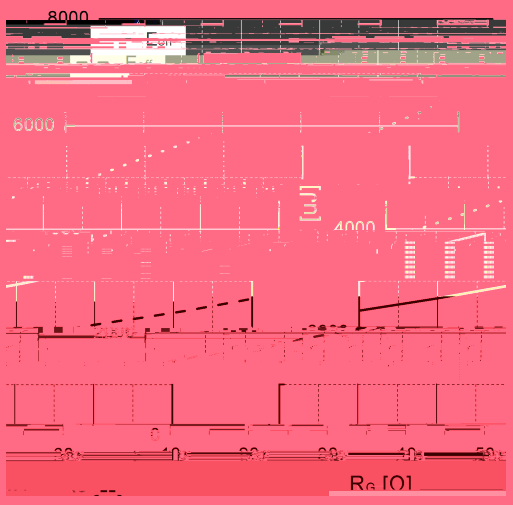

Ic=60A
Ic=30A
2.5
2.0
1.5
1.0
25
50
75
100
125
150
175
Tvj [℃]


120
Tvj=175℃
30
0
2.5
0.0
0.5
1.0
1.5
2.0
VF [V]


td(on)
1000
100
10
1
Ic [A]


t [ns]
20
30
40
50
60


15000
12000
9000
E [mJ]
Ic [A]


8000
6000
4000
[mJ]
RG [Ω]
