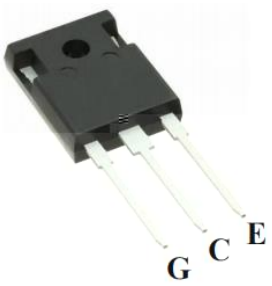
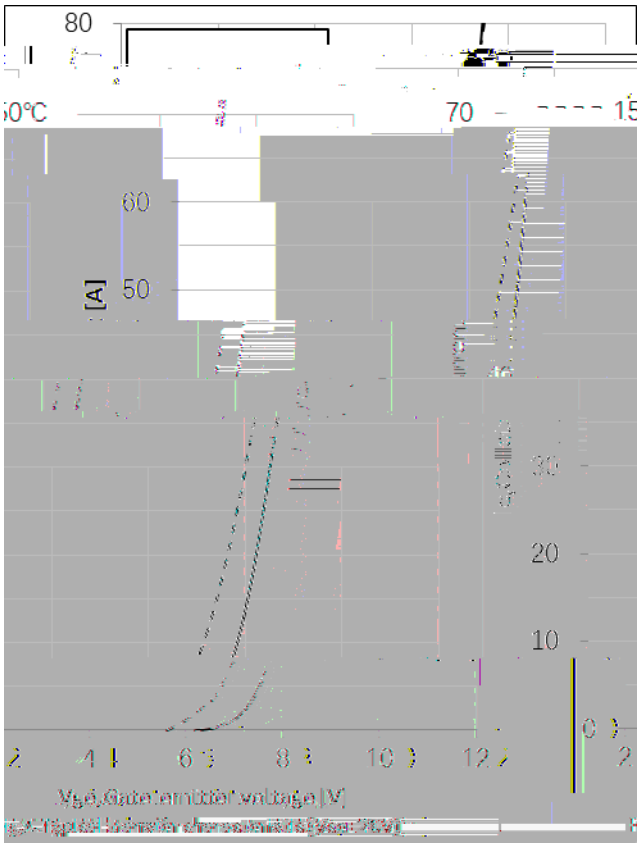
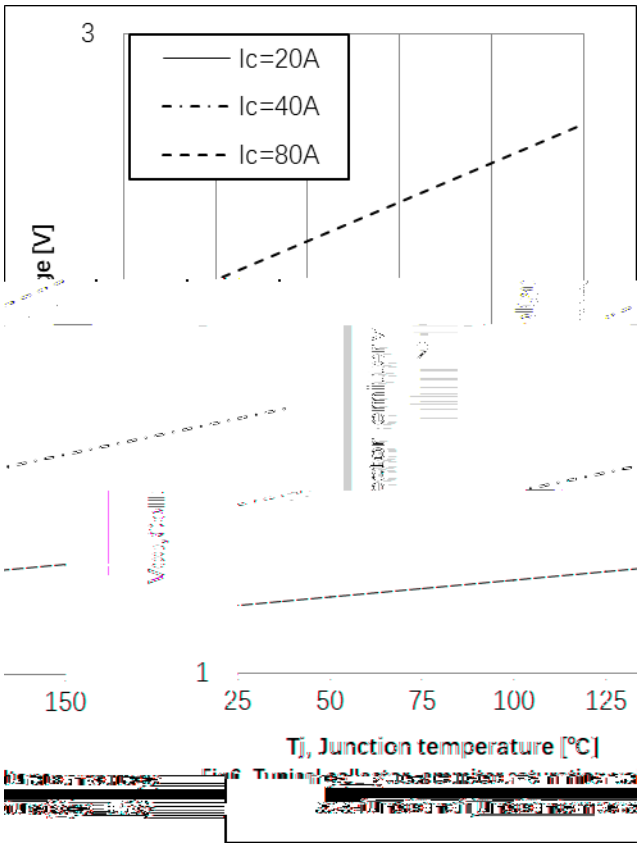
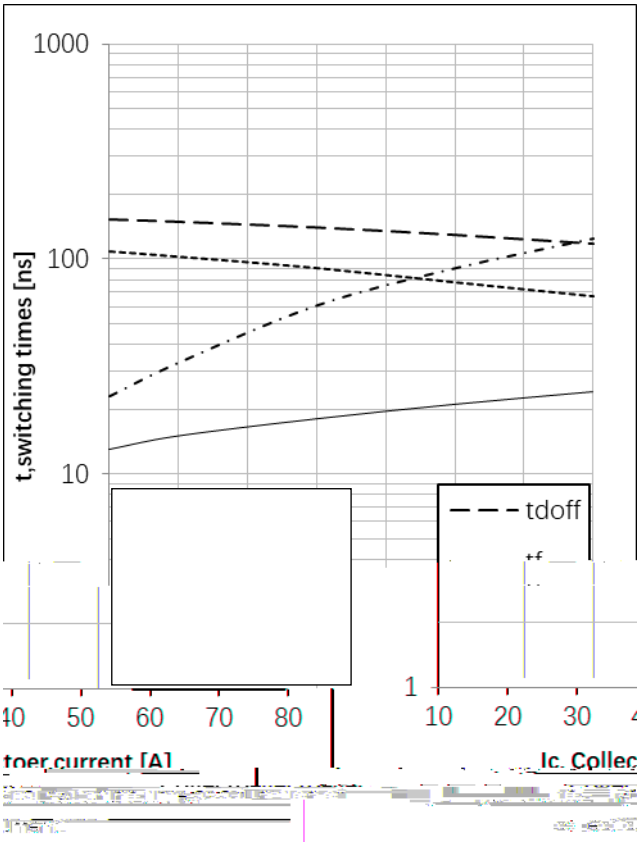

G
C
E

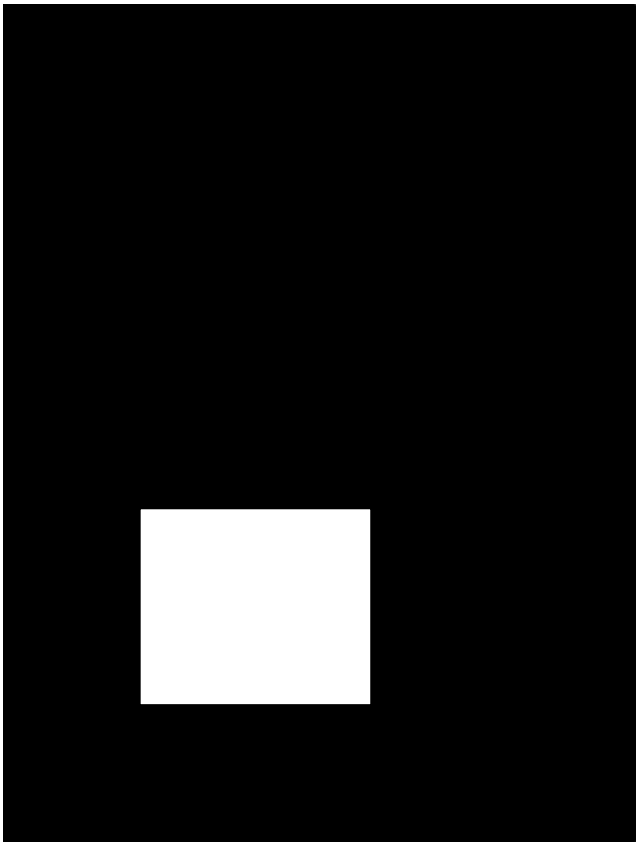
Switching Characteristic, Inductive Load

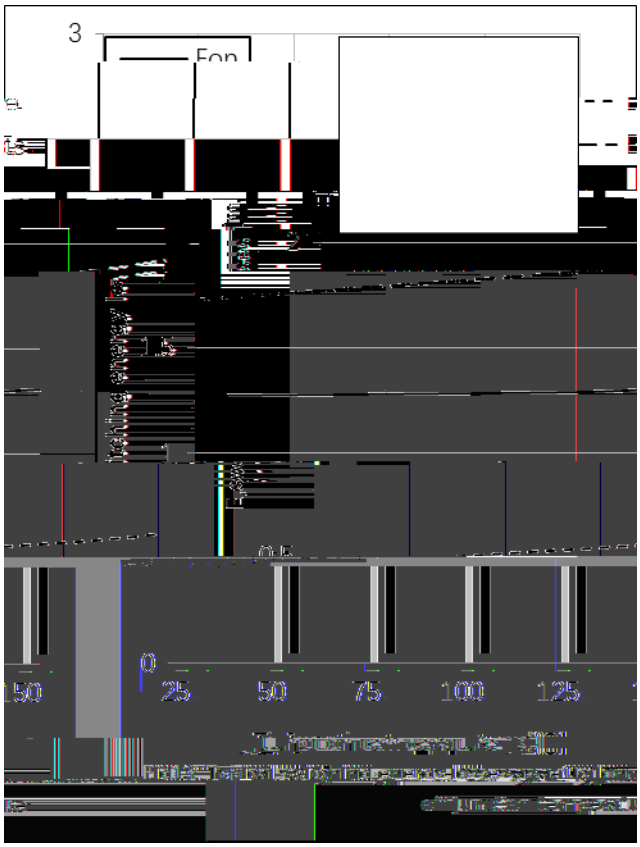
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Dynamic , at T_j= 25						
Turn-on Delay Time	t_d					

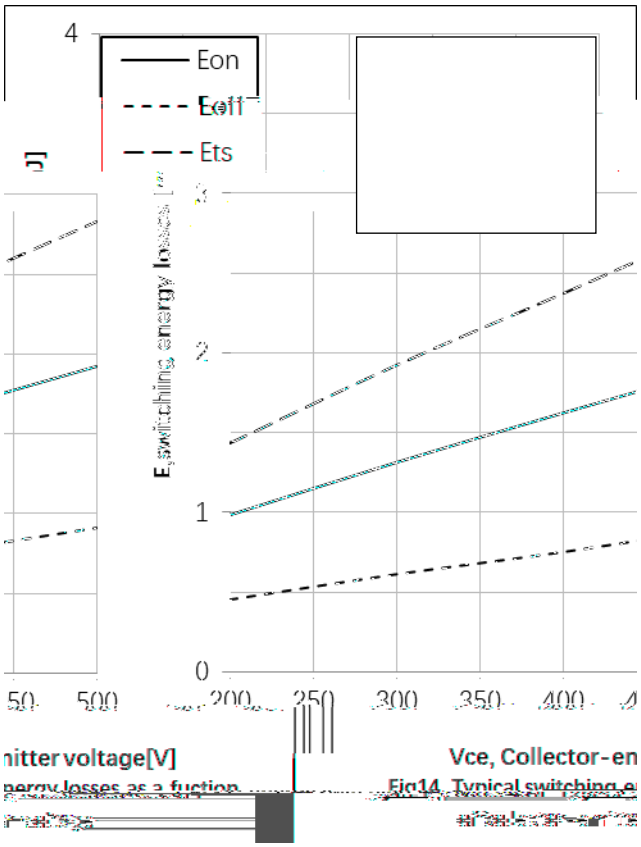

80
70
60
50
30
20
10
0
[A]

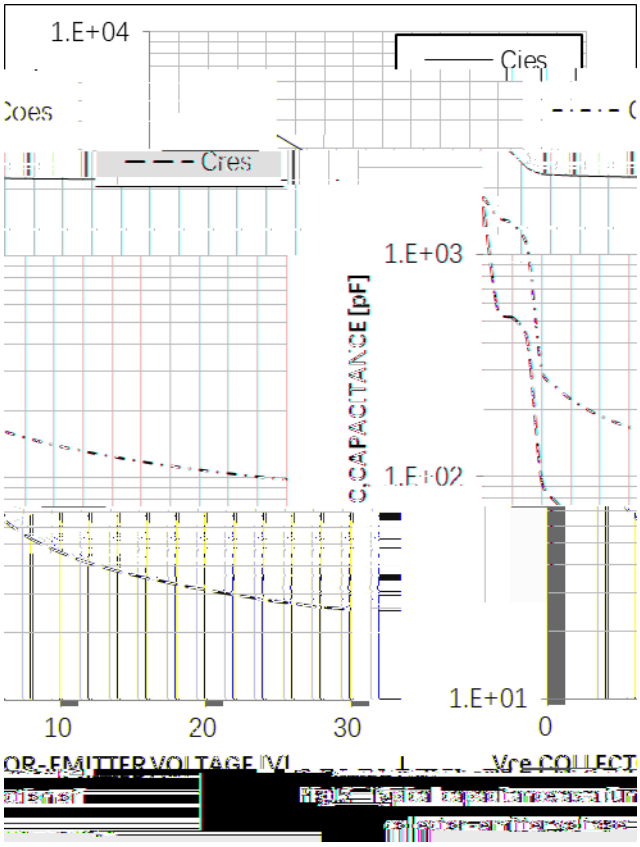

3
Ic=20A
Ic=40A
Ic=80A
1
150
25
50
75
100
125
Tj, Junction temperature [°C]


1000
100
10
t,switching times [ns]
tdoff
1
40
50
60
70
80
10
20
30









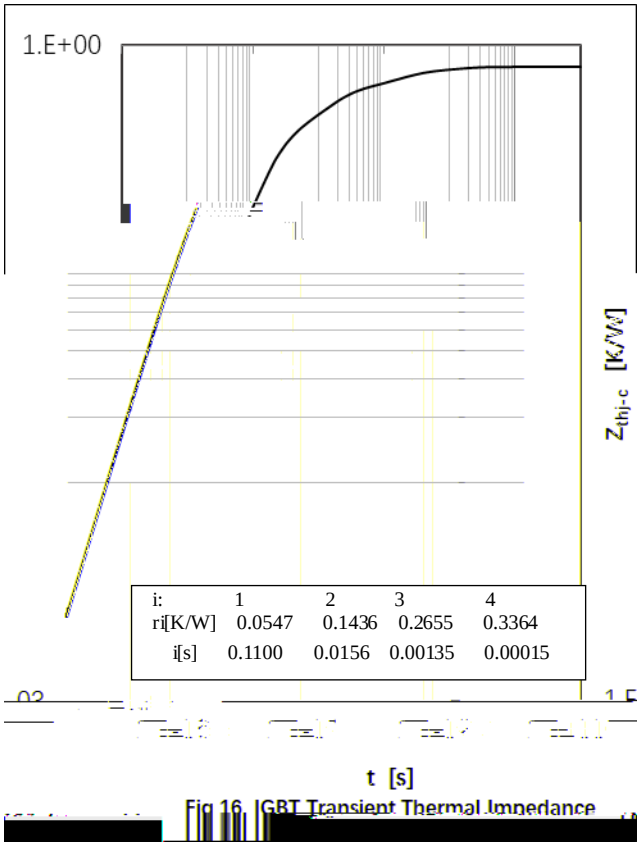
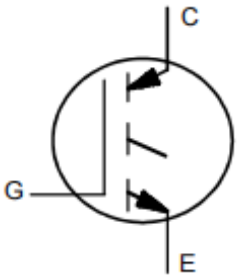


Fig 16. IGBT Transient Thermal Impedance



Package Outline Information

TO-247AB		
Dim	Min	Max
A	4.80	5.20
A1	2.21	2.61
A2	1.85	2.15
b	1.0	1.4
b2	1.91	2.21
C	0.5	0.7
D	20.70	21.30
D1	16.25	16.85
E	15.50	16.10
E1	13.0	13.6
E2	4.80	5.20
E3	2.30	2.70
L		