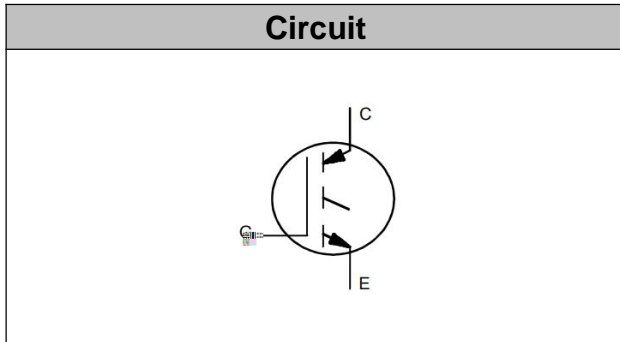


IGBT Discrete

V_{CE}	650	V
I_C	50	A
$V_{CE(SAT)} I_C=50A$	1.40	V



Applications

Hair removal device

Features

High speed smooth switching device for hard & soft switching

Maximum junction temperature 175

Positive temperature coefficient

High ruggedness, temperature stable

Maximum Ratings



Electrical Characteristics of the IGBT

Static						

Dynamic						



Switching Characteristic, Inductive Load

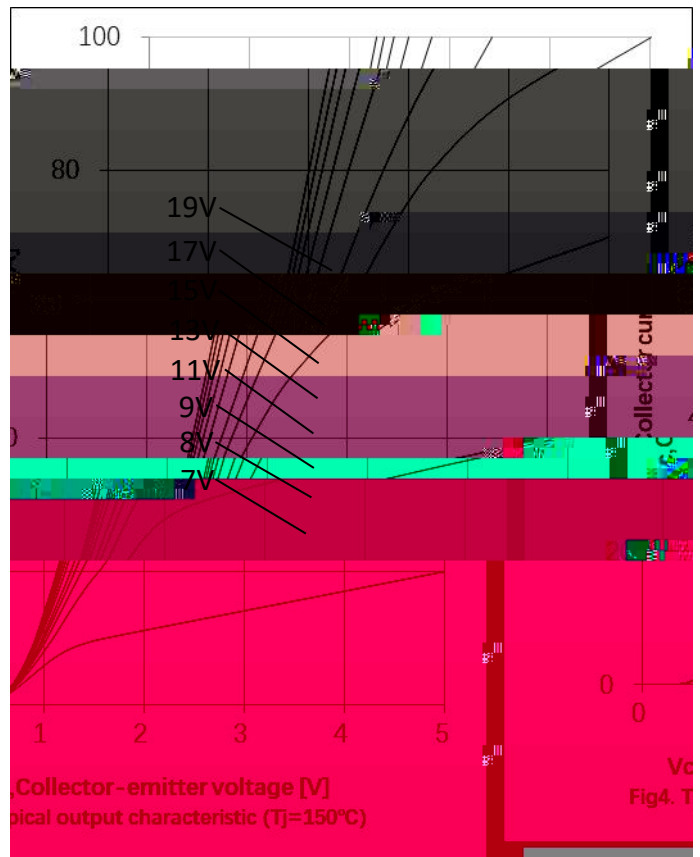
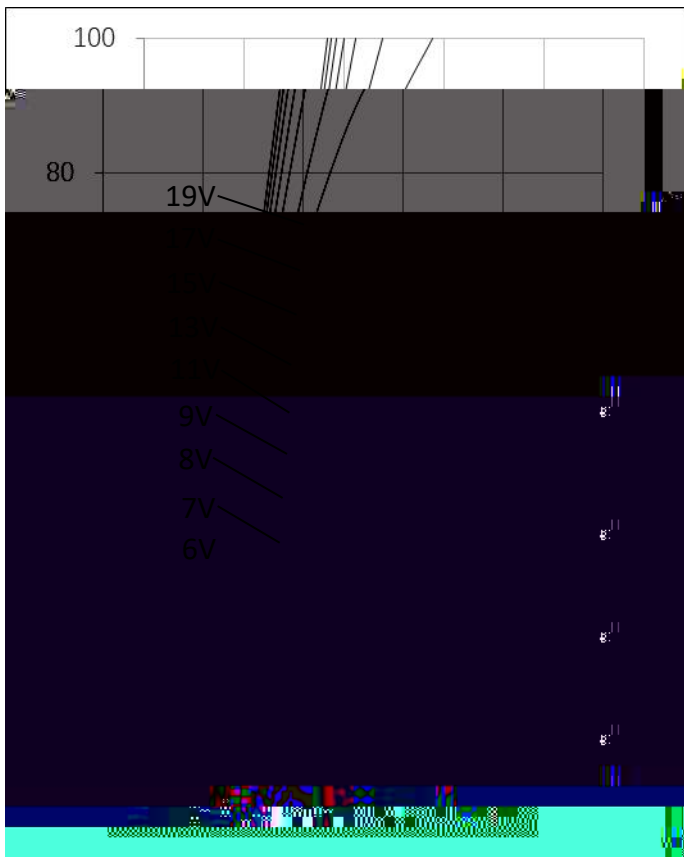
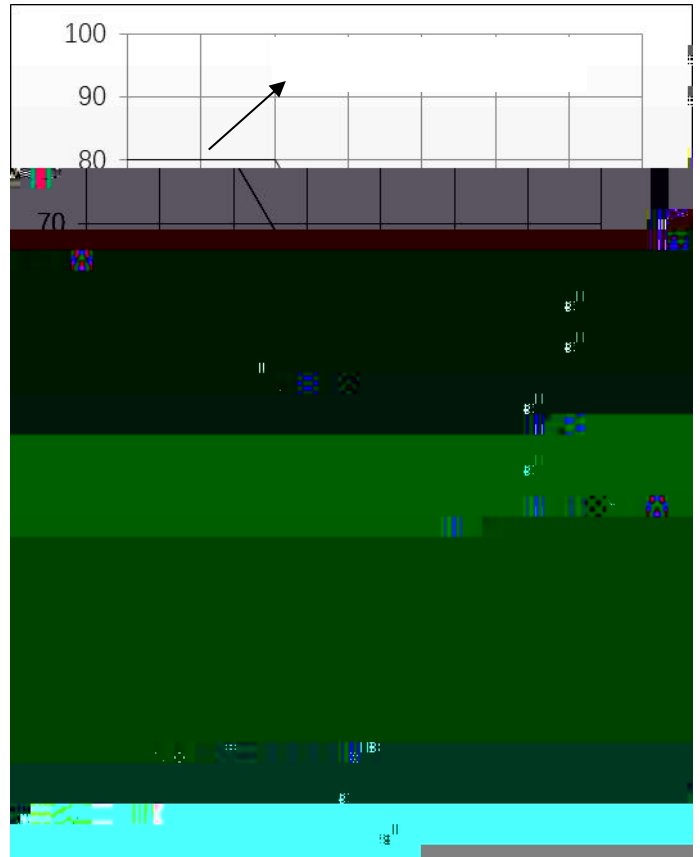
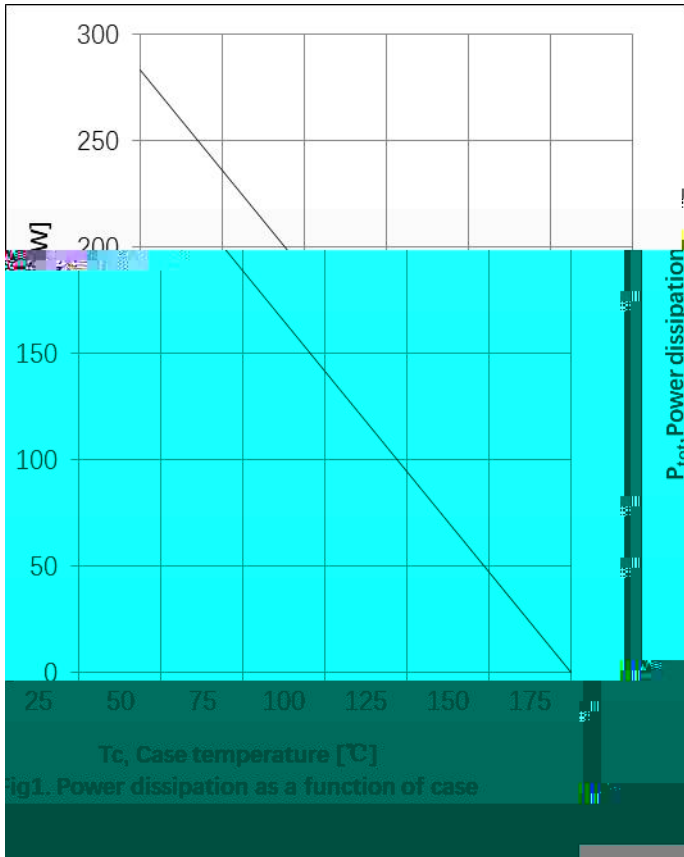
Dynamic , at $T_j = 25$						
Dynamic , at $T_j = 125$						
Dynamic , at $T_j = 150$						

Thermal Resistance



DGB50N65ATS2A

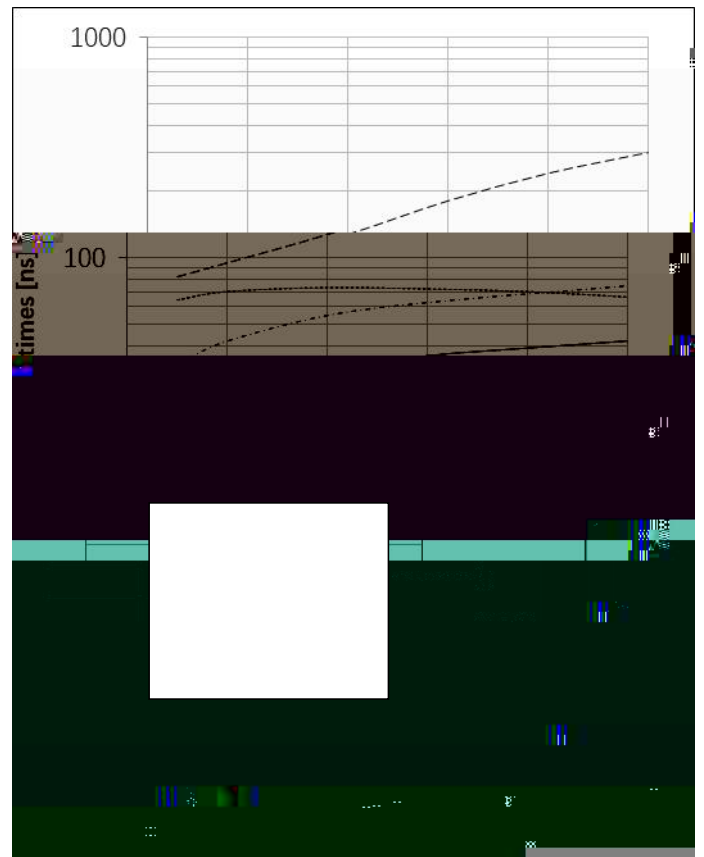
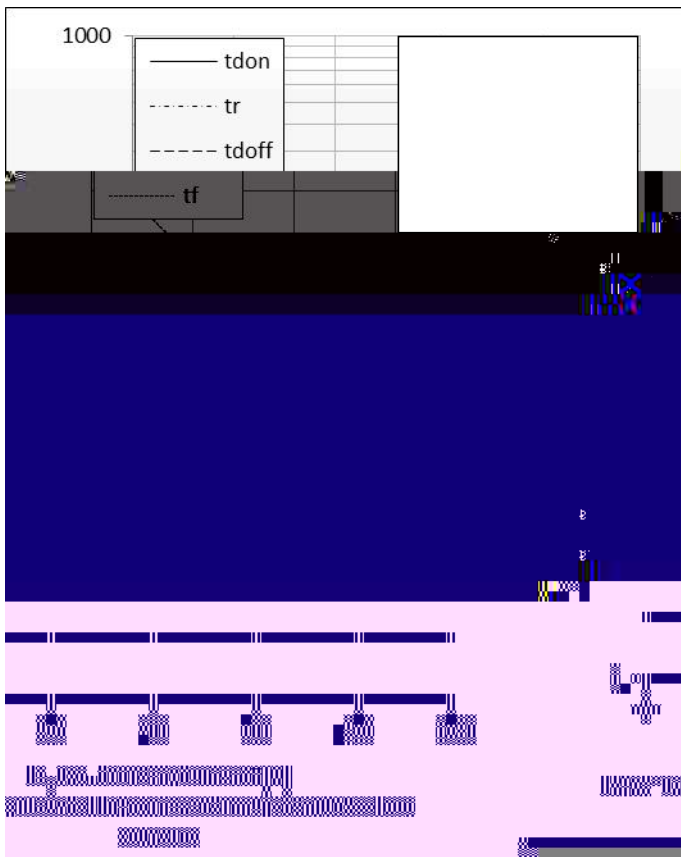
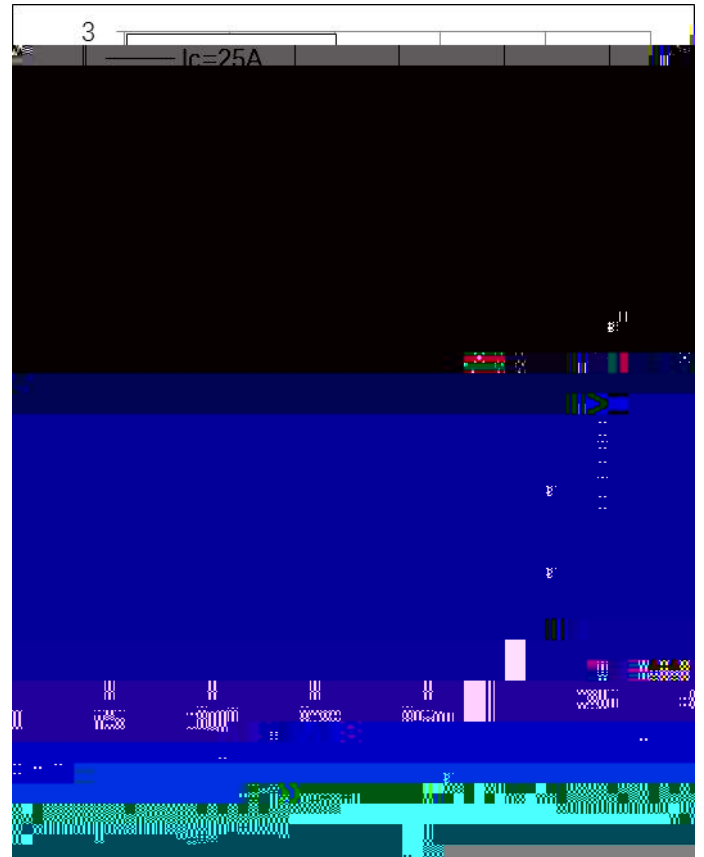
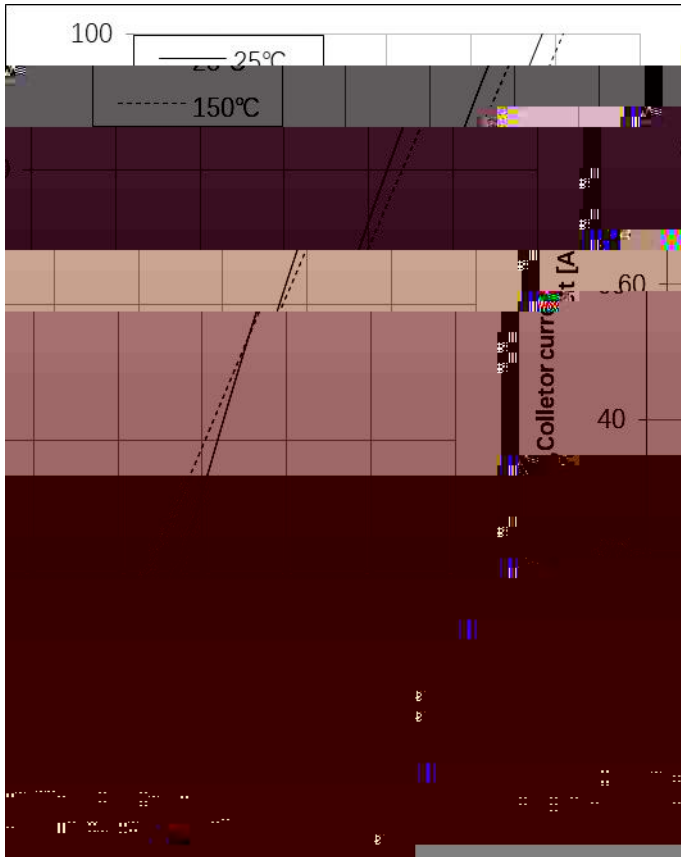
RoHS
COMPLIANT

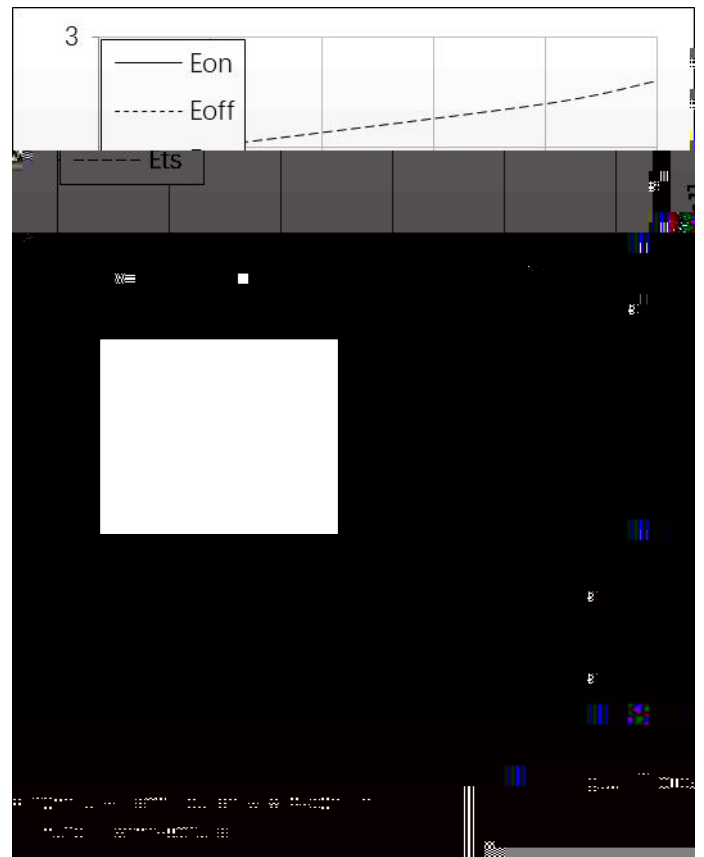
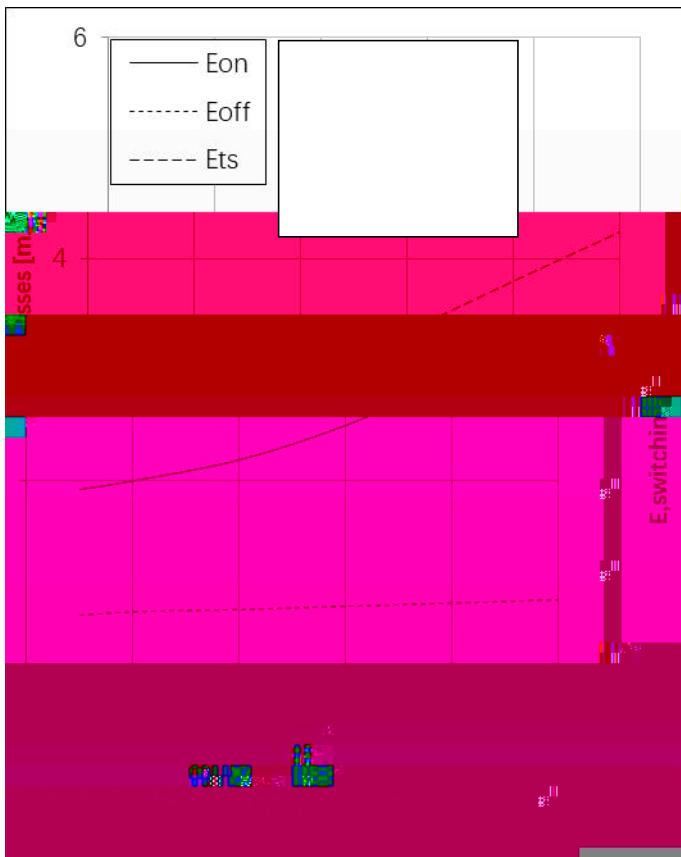
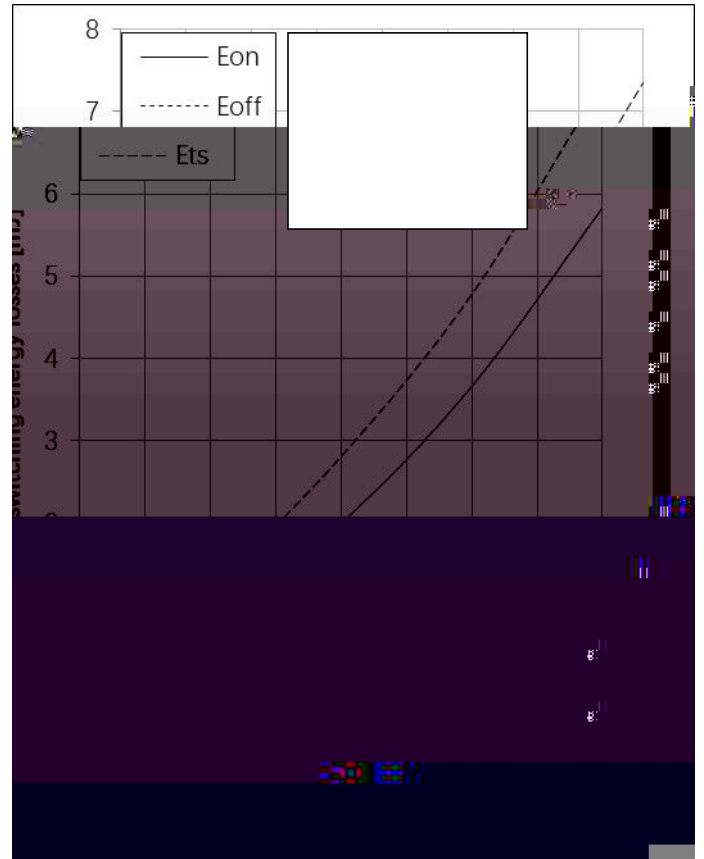
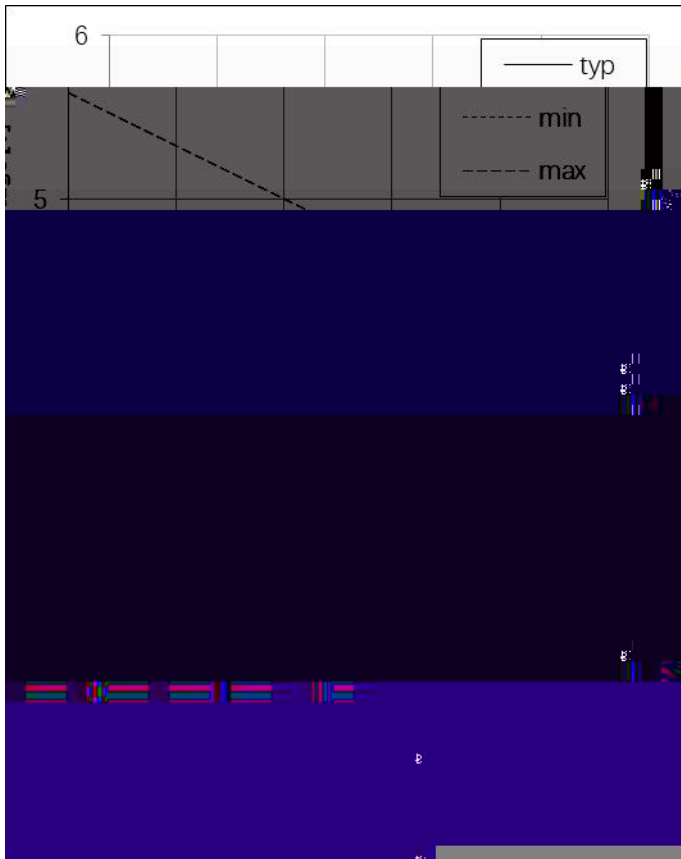


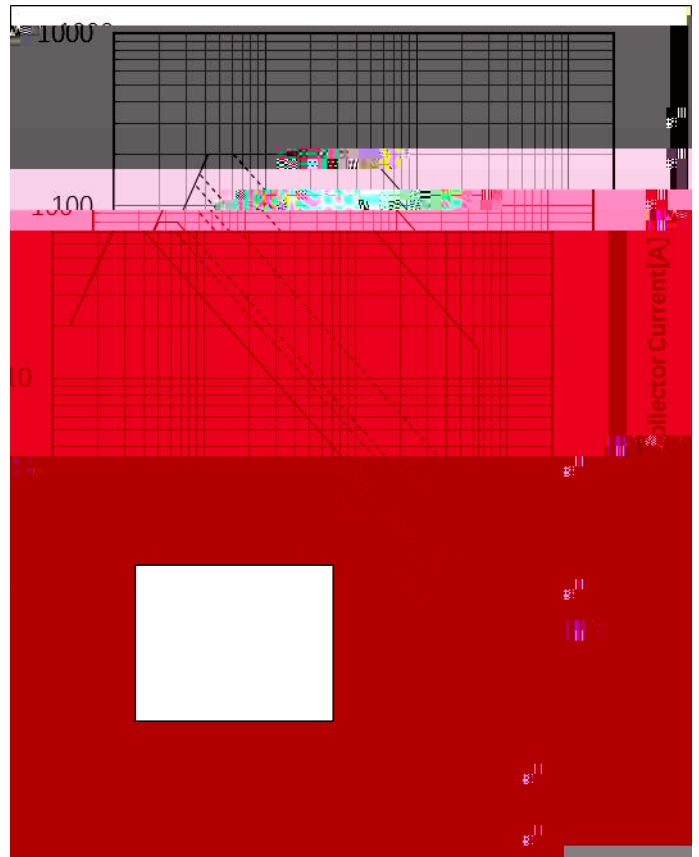
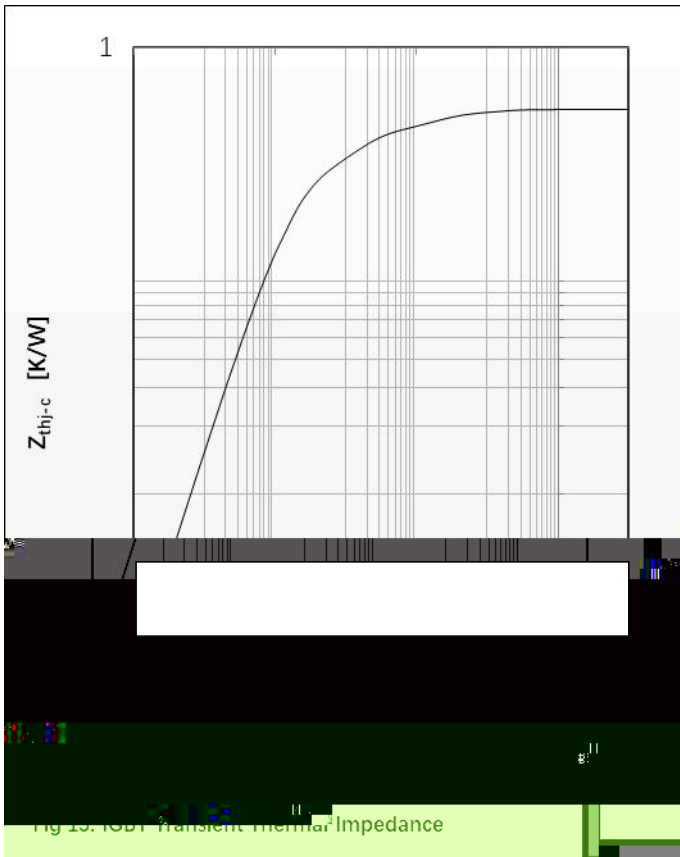
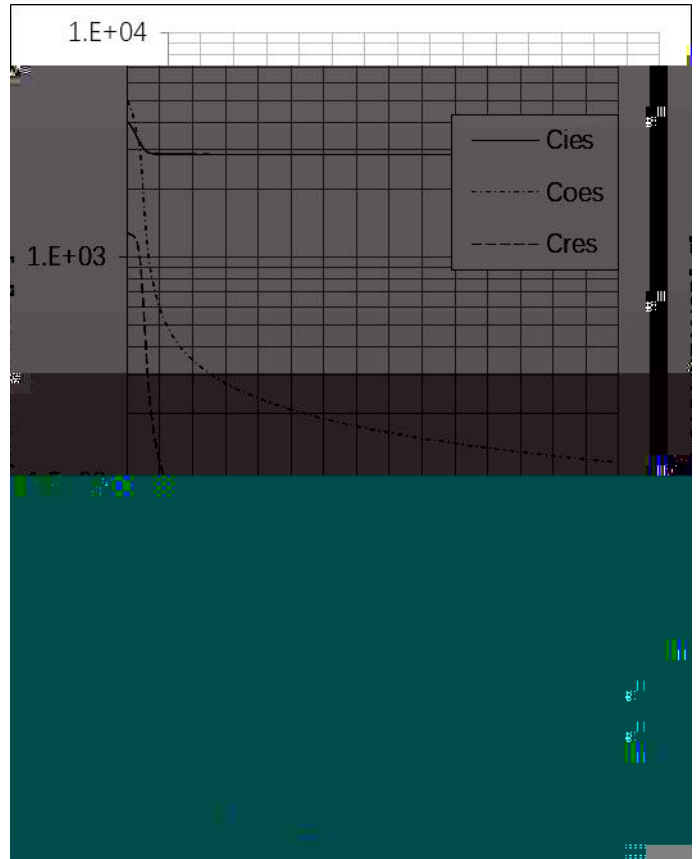
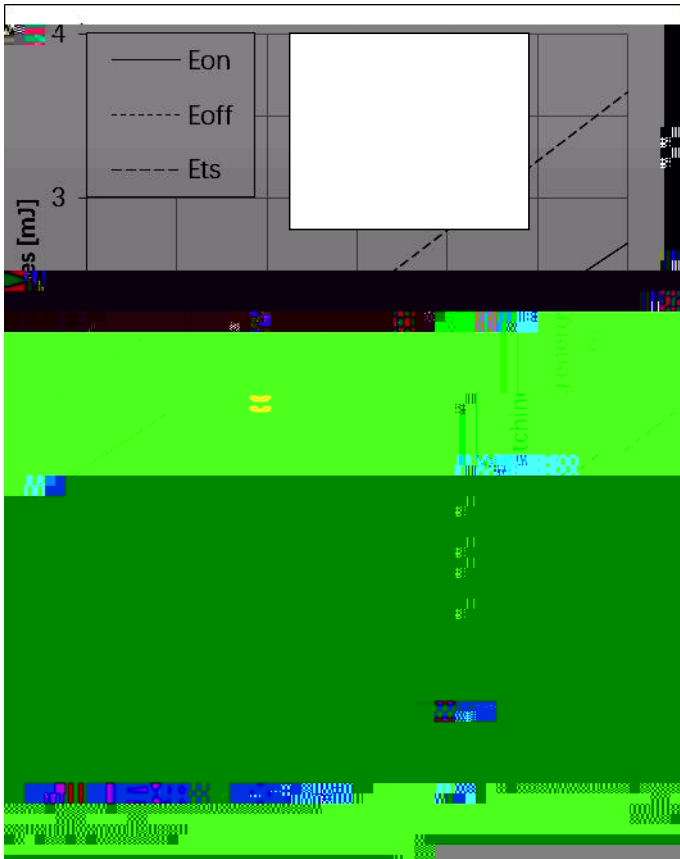


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RoHS
COMPLIANT

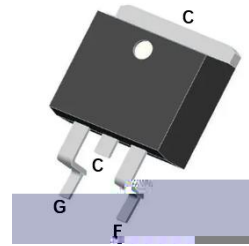
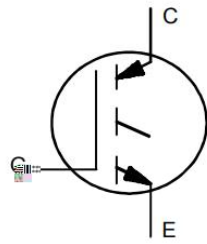






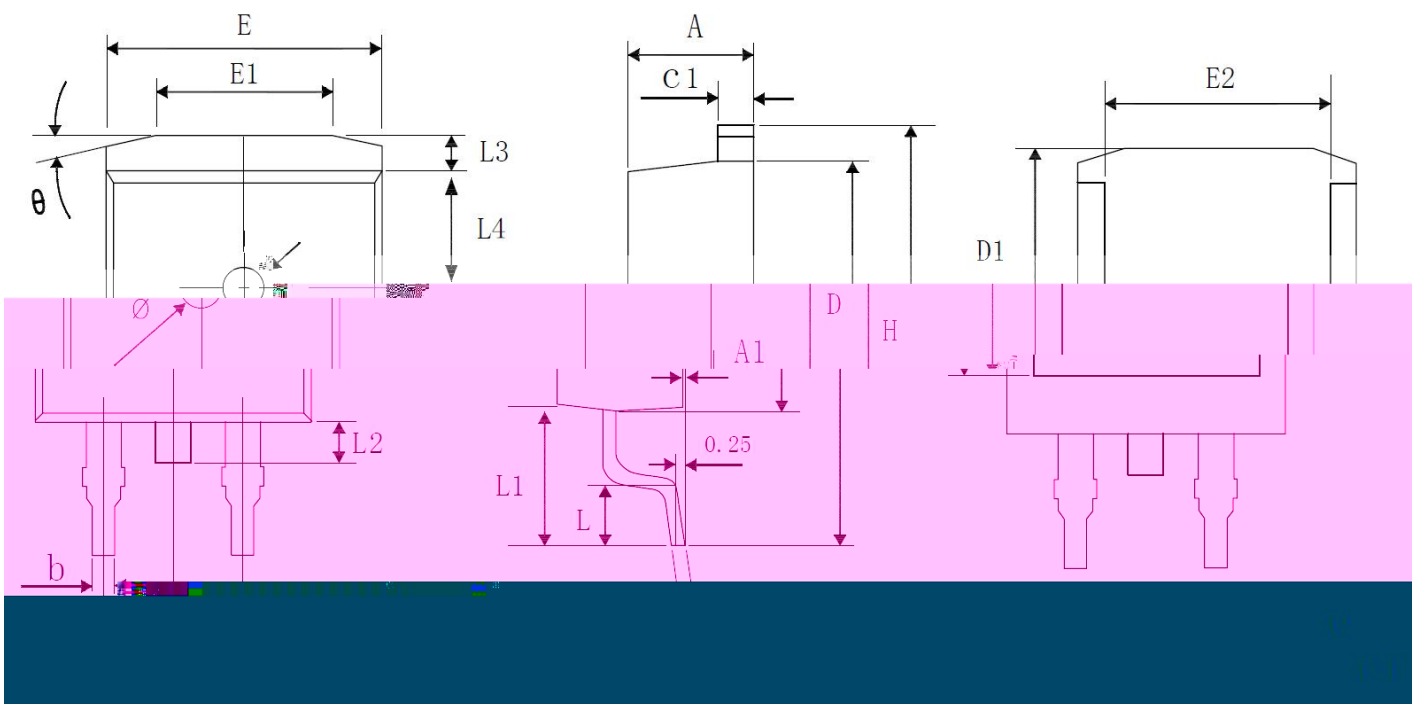


Circuit Diagram



Package Outline Information

CASE: TO 263



TO-263(mm)								
Dim	Min	Max	Dim	Min	Max	Dim	Min	Max
A	4.3	4.7	H	14.9	15.5	L2	1.3	1.7
A1	0	0.25	E	9.8	10.2	L3	1.15	1.35
b	0.7	0.9	E1	6.3	6.5	L4	4.5	4.6
c	0.4	0.6	E2	7.9	8.1	∅	1.5 REF	
c1	1.25	1.35	e1	4.93	5.23	e	2.54 BSC	
D	9	9.2	L	1.85	2.45	θ	13° TYP	
D1	8	8.2	L1	4.45	4.85			



DGB50N65ATS2A

RoHS
COMPLIANT

Disclaimer