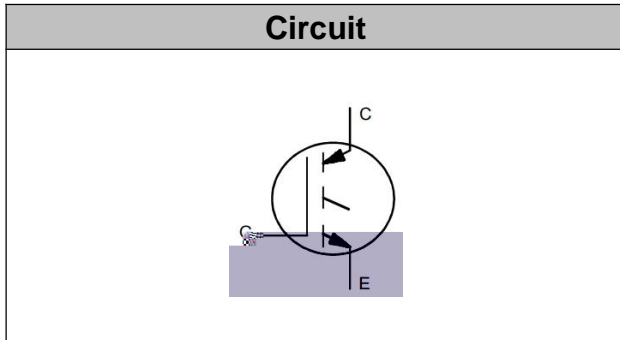


## IGBT Discrete

$V_{CE}$	<b>650</b>	<b>V</b>
$I_C$	<b>50</b>	<b>A</b>
$V_{CE(SAT)} I_C=50A$	<b>1.40</b>	<b>V</b>



## 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

<b>Static</b>						

<b>Dynamic</b>						



## Switching Characteristic, Inductive Load

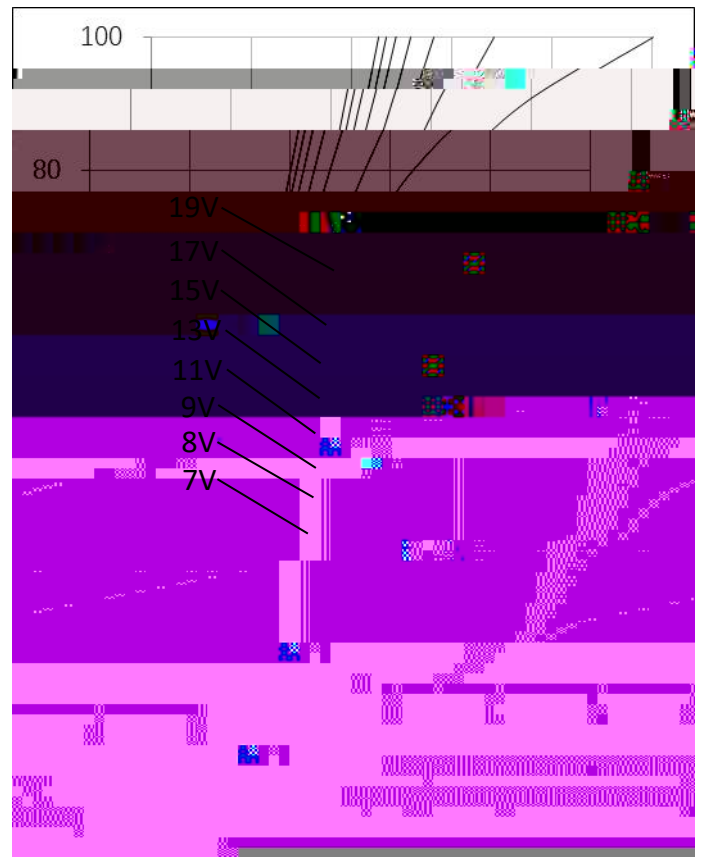
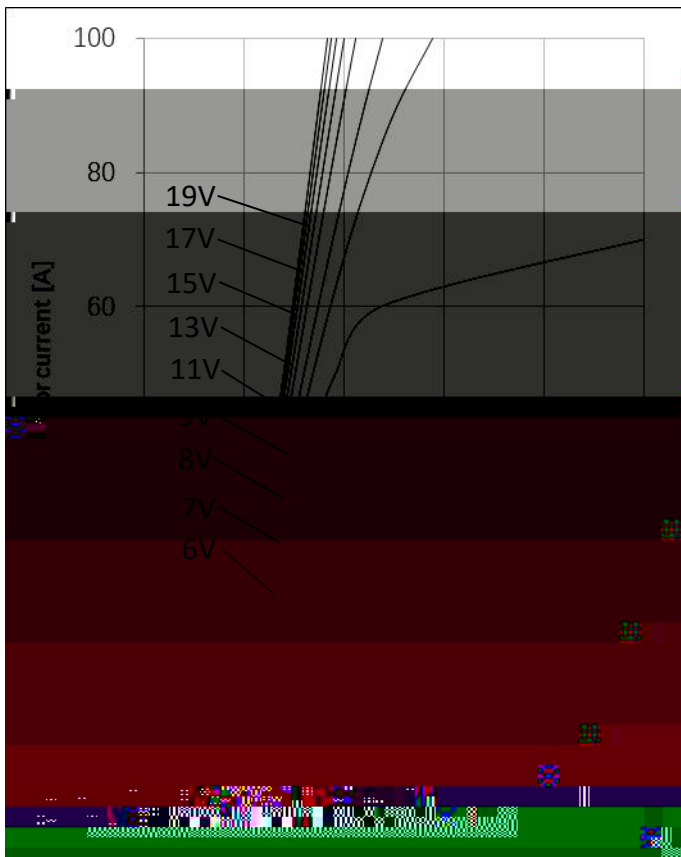
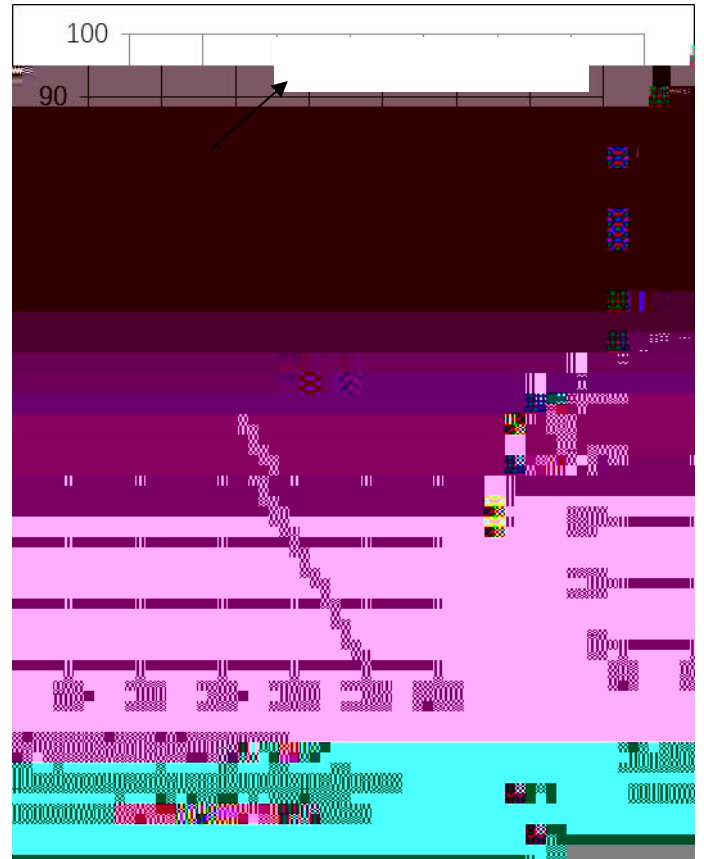
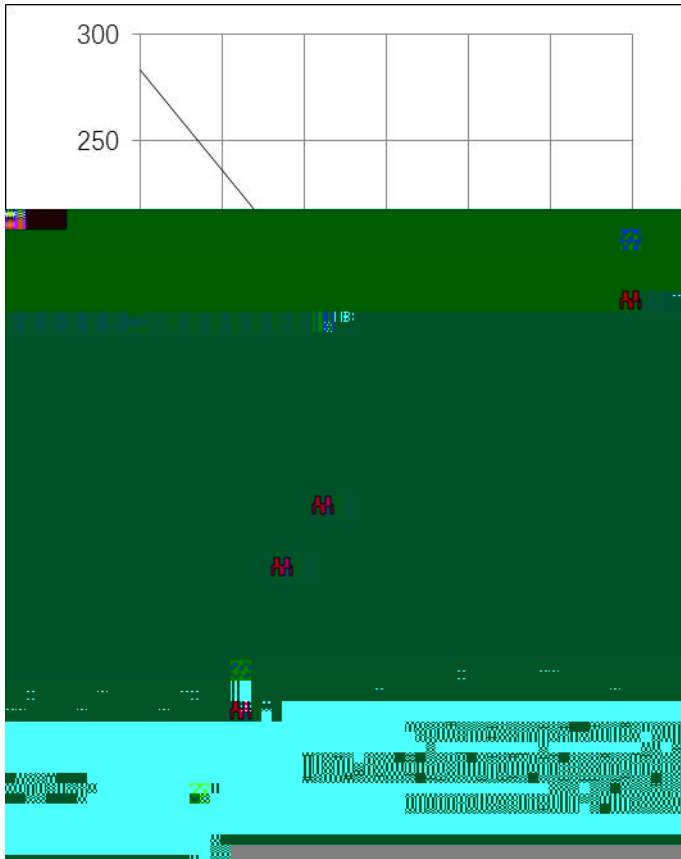
<b>Dynamic , at T<sub>j</sub>= 25</b>						
<b>Dynamic , at T<sub>j</sub>= 125</b>						
<b>Dynamic , at T<sub>j</sub>= 150</b>						

## Thermal Resistance




# DGB50N65ATS2A

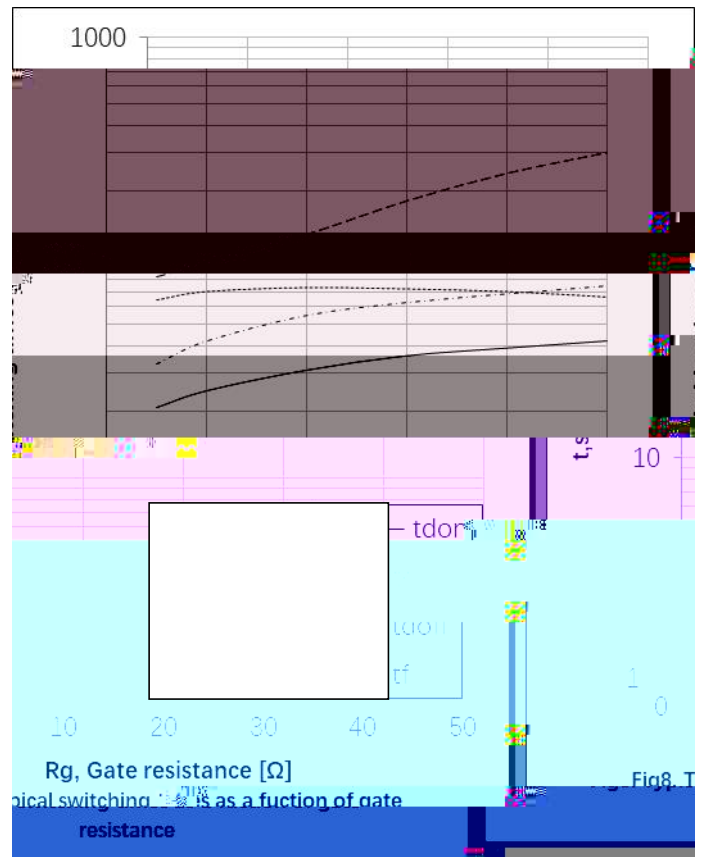
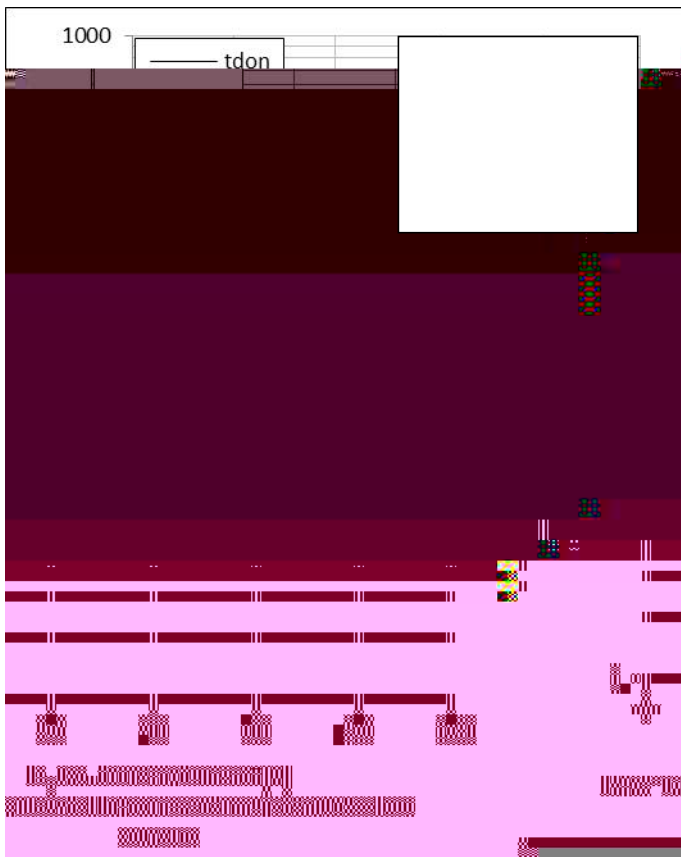
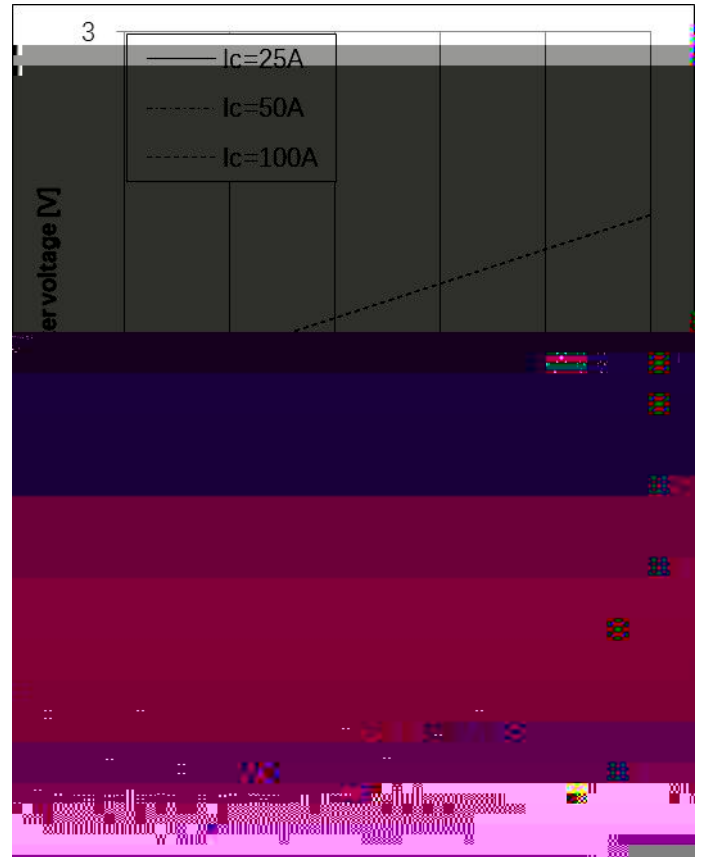
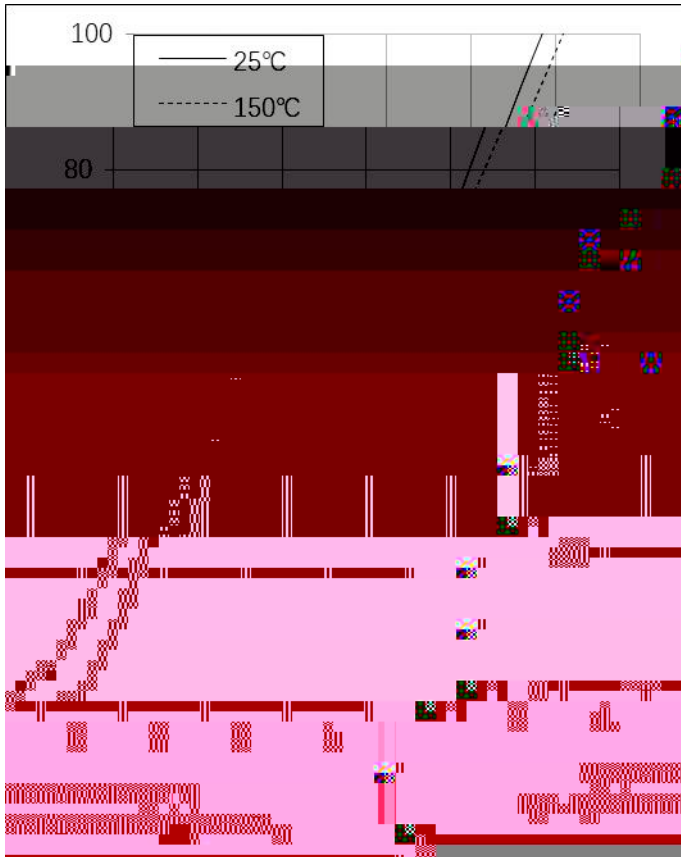
**RoHS**  
COMPLIANT





# DGB50N65ATS2A

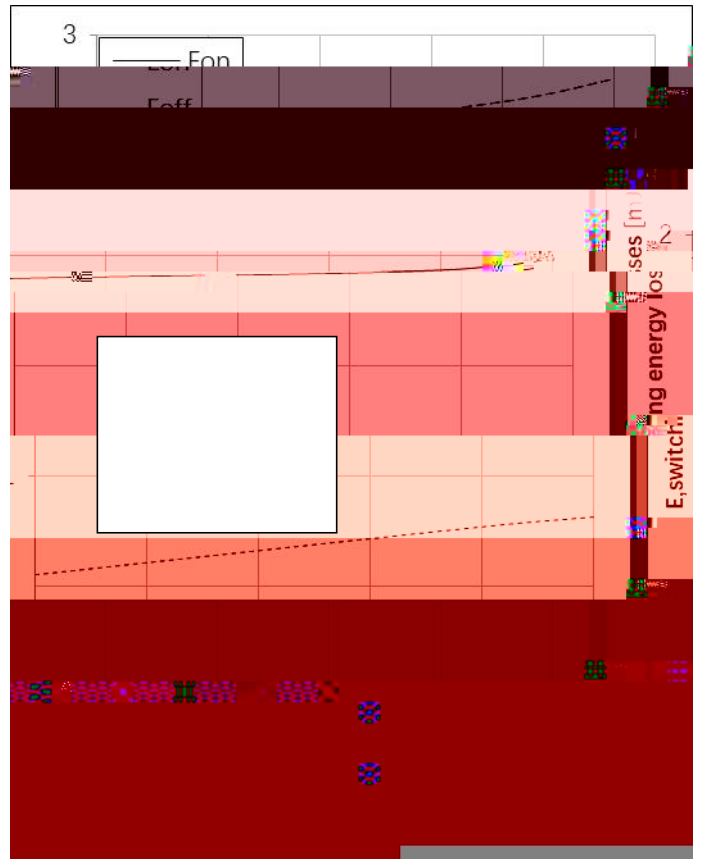
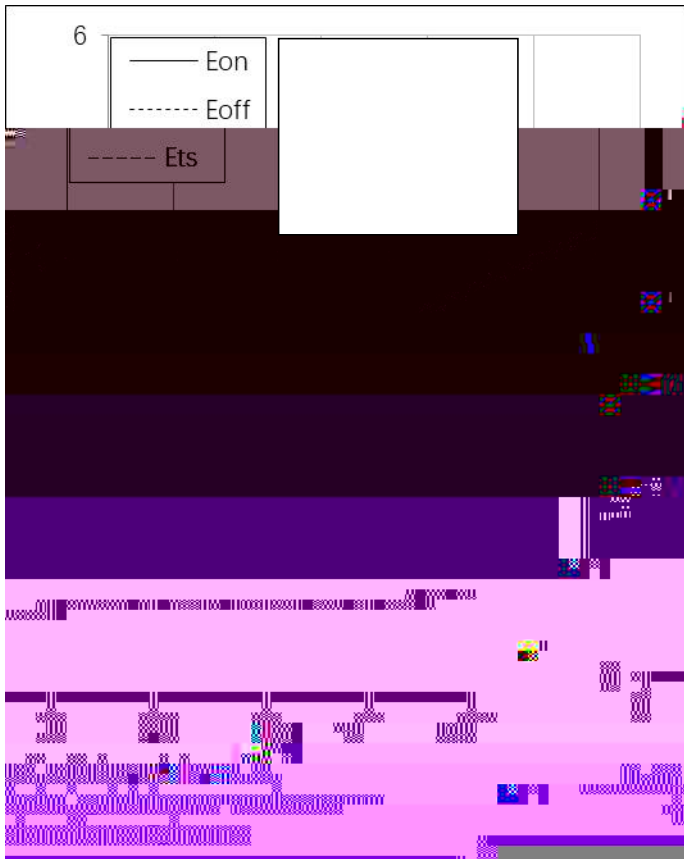
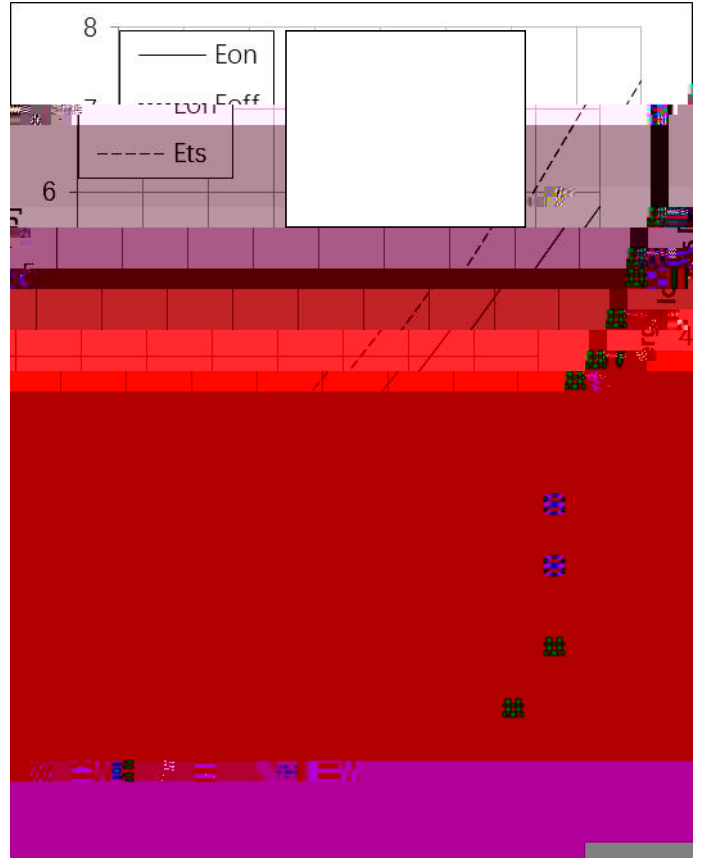
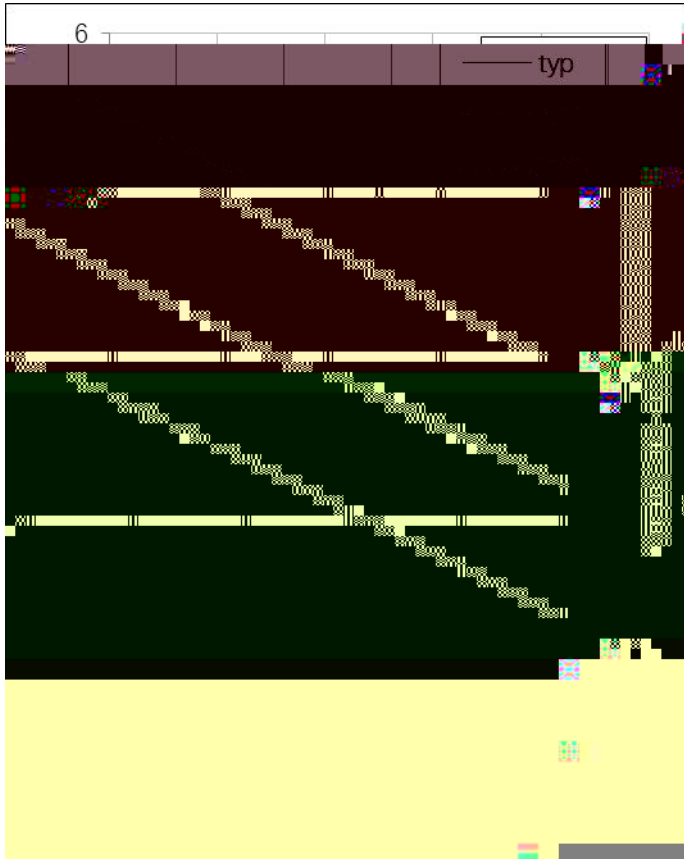
**RoHS**  
COMPLIANT

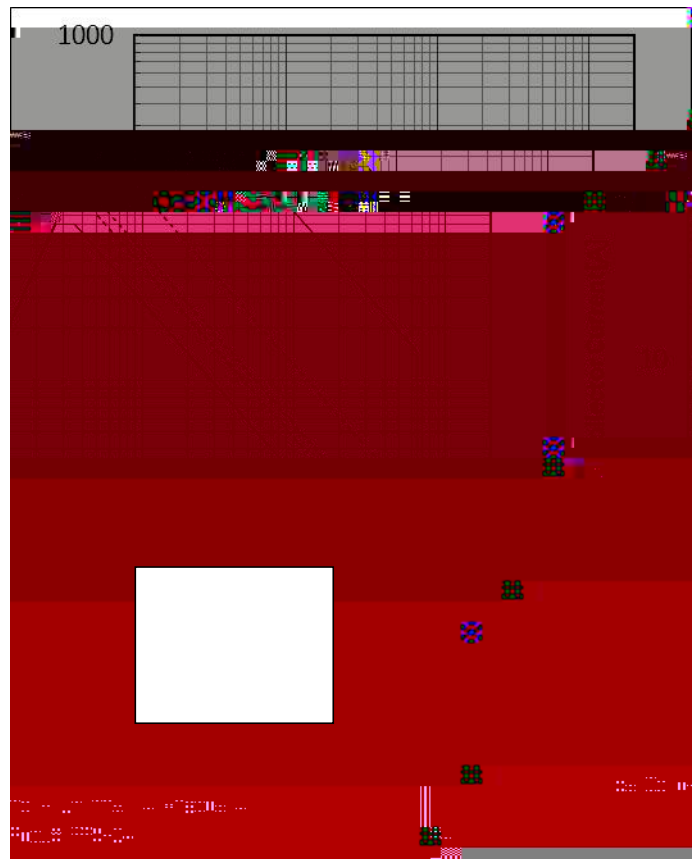
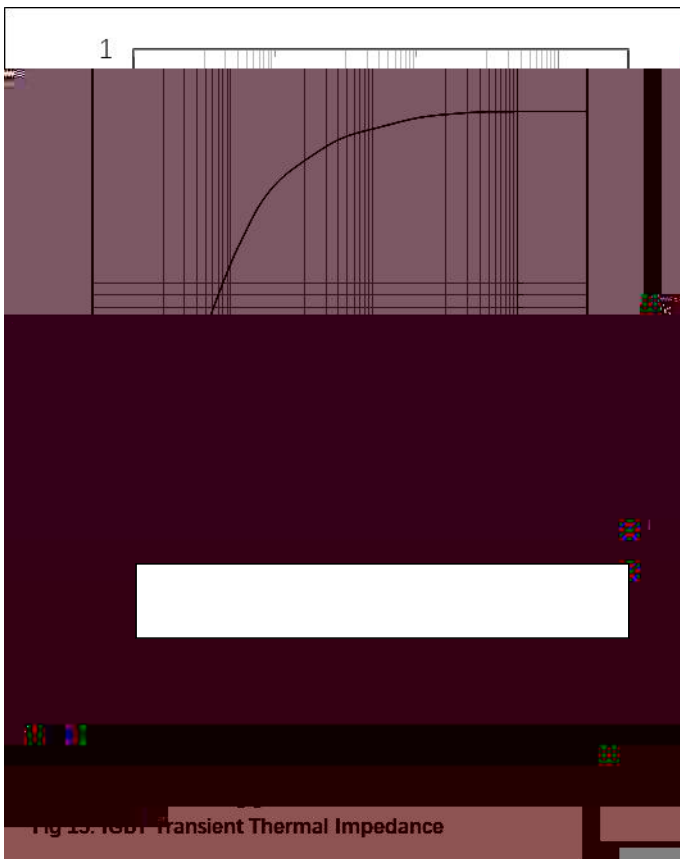
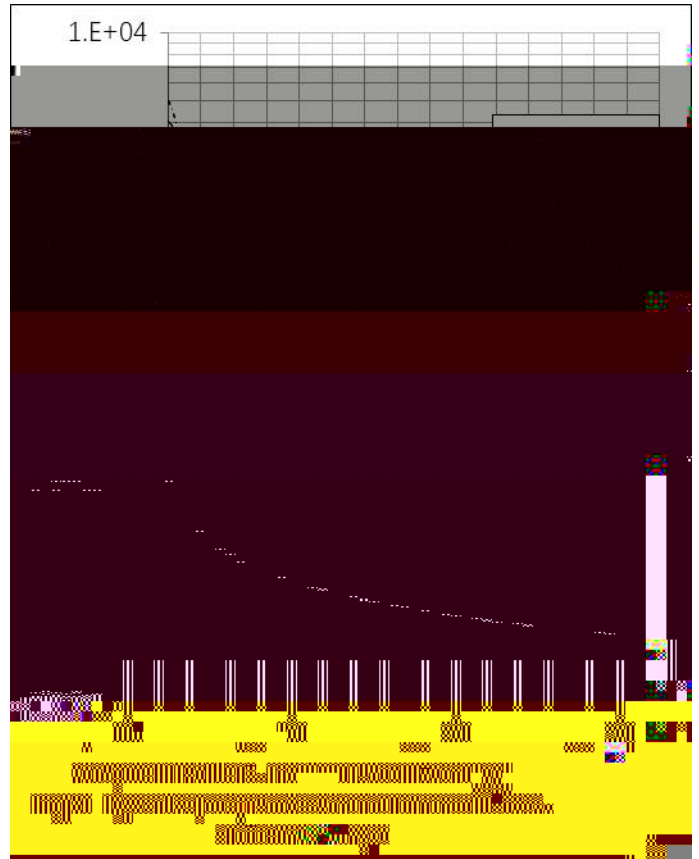
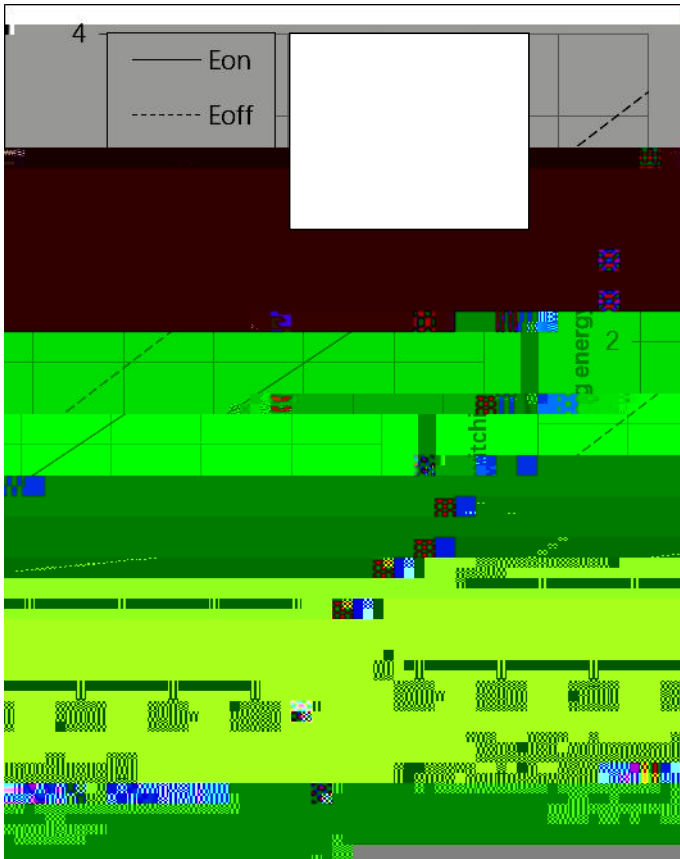




# DGB50N65ATS2A

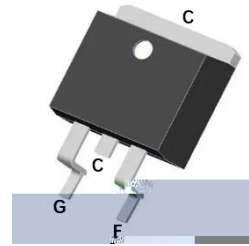
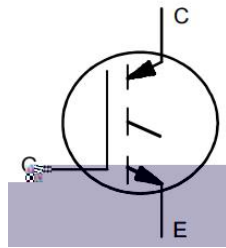
**RoHS**  
COMPLIANT





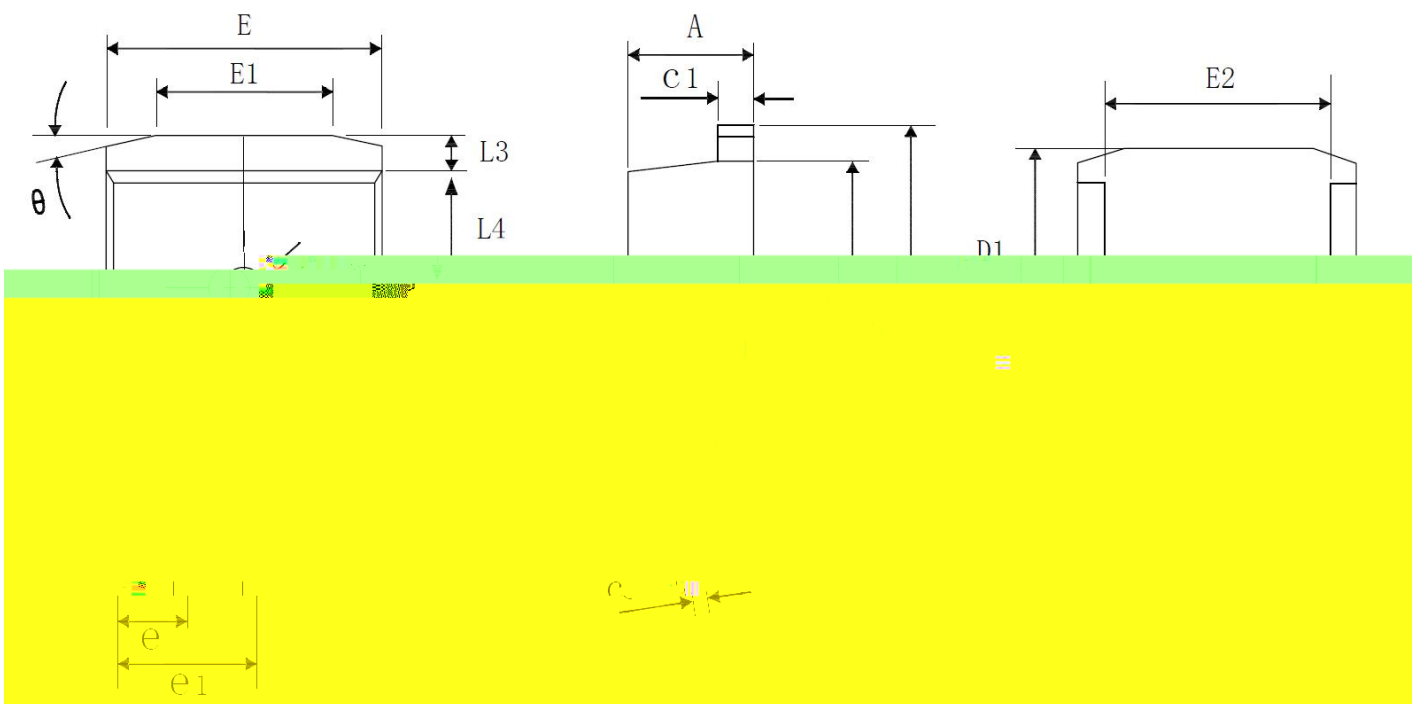


## Circuit Diagram



## 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

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## **Disclaimer**