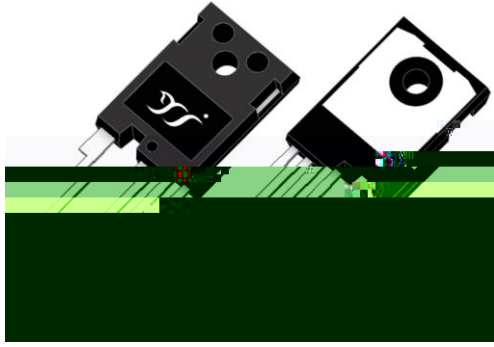
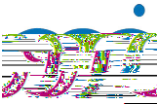




# DGZC75N65CTH2A

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# DGZC75N65CTH2A

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## Electrical Characteristics of the IGBT $T_j = 25$ unless otherwise specified

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
<b>Static</b>						
Collector-Emitter Breakdown Voltage						

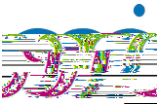


# DGZC75N65CTH2A

## Switching Characteristic, Inductive Load

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
<b>Dynamic , at <math>T_j= 25</math></b>						
Turn-on Delay Time	$t_{d(on)}$		-	30	-	ns

$V_{CC}=400V, I_C=75A,$   
 $V_{GE}= -5v\sim 15V,$   
 $R_g=10 \Omega,$   
Inductive Load



# DGZC75N65CTH2A

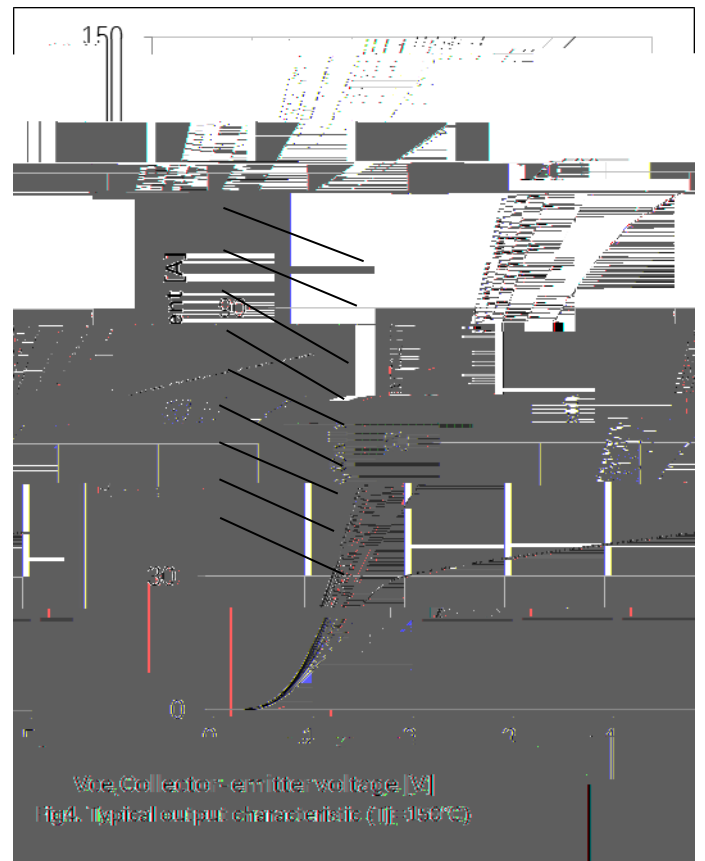
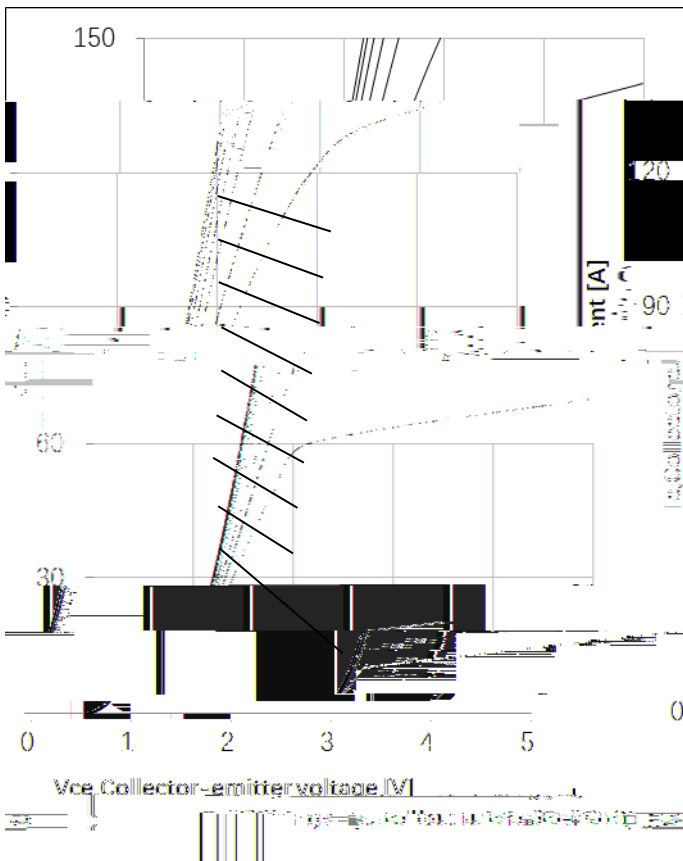
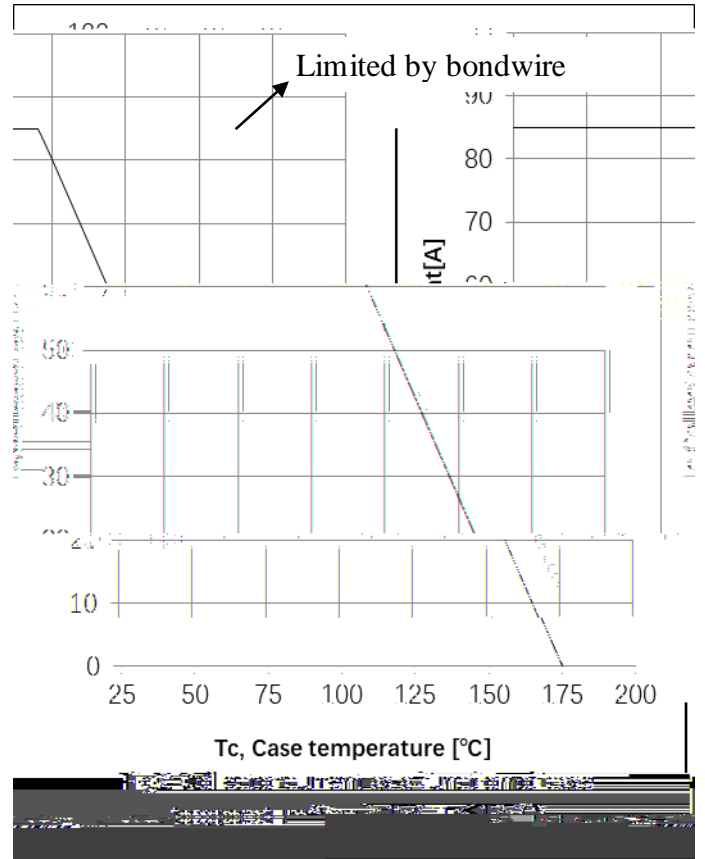
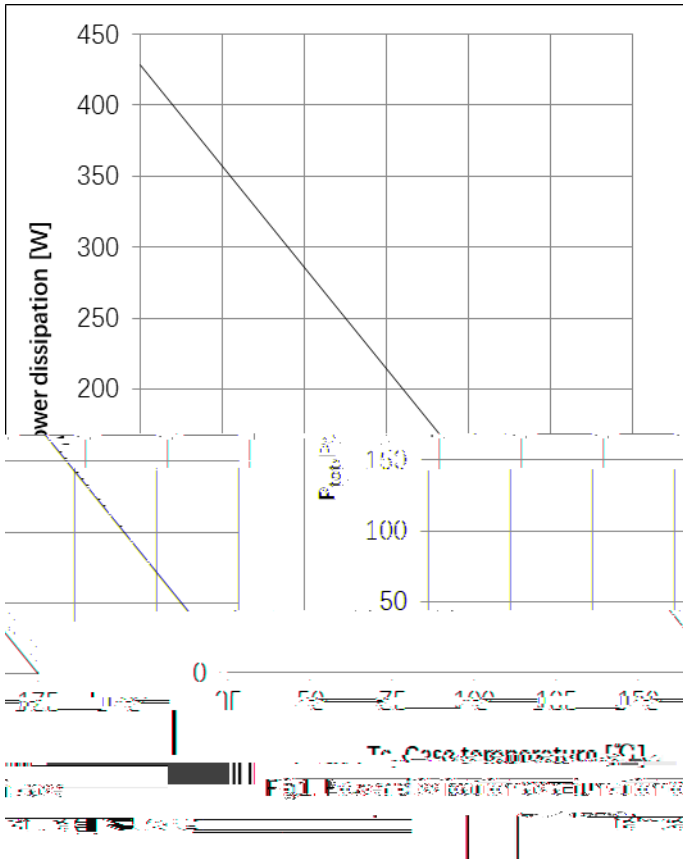
## Electrical Characteristics of the DIODE

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
<b>Static</b>						
Diode Forward Voltage	$V_F$	$I_F=75A$ $T_j=25^{\circ}C$ , $T_j=175^{\circ}C$		1.70 2.60	1.90	V

Diode Capacitive Charge       $Q_C$        $V_R=400V, T_j=25^{\circ}C$

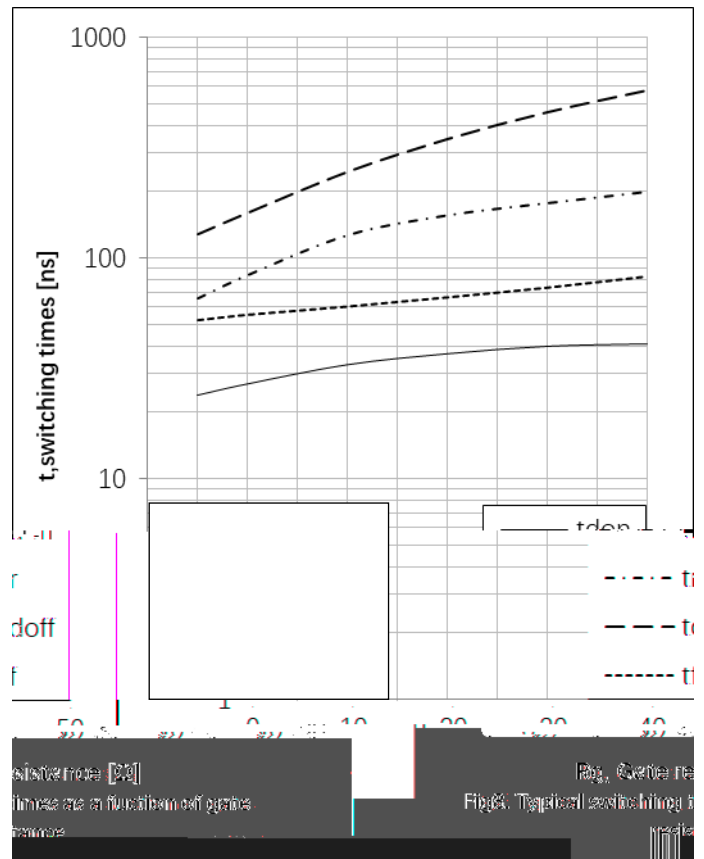
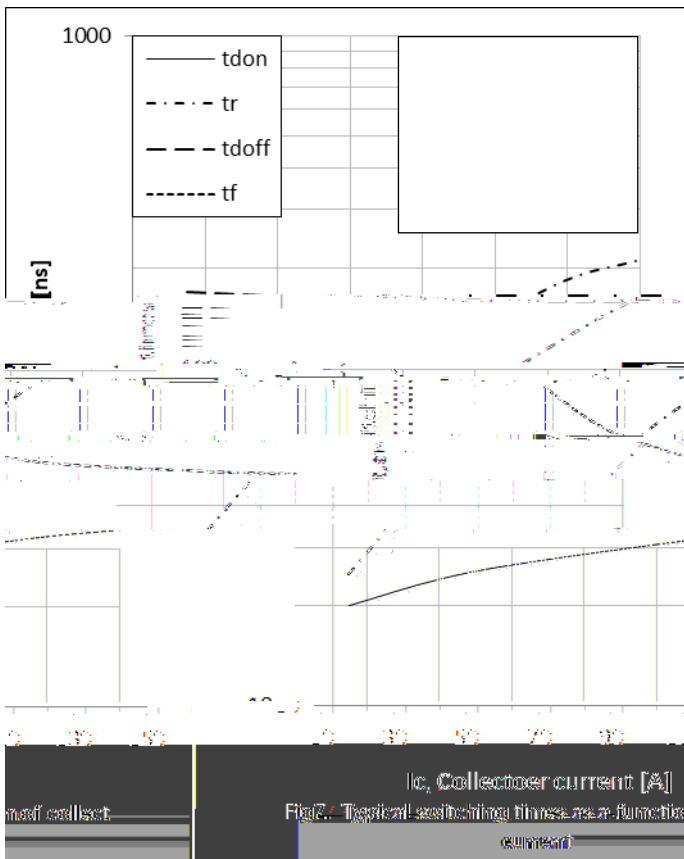
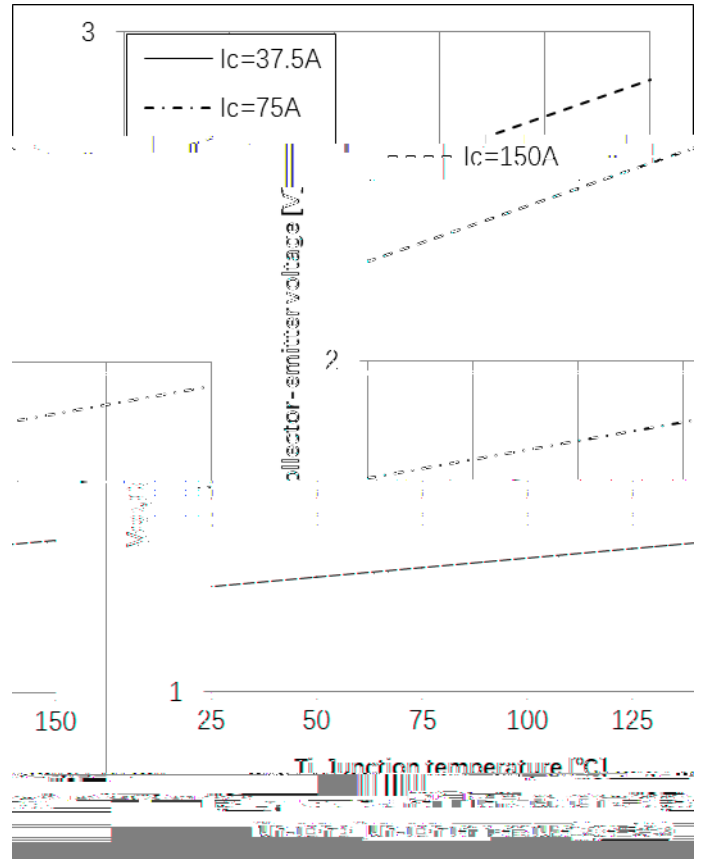
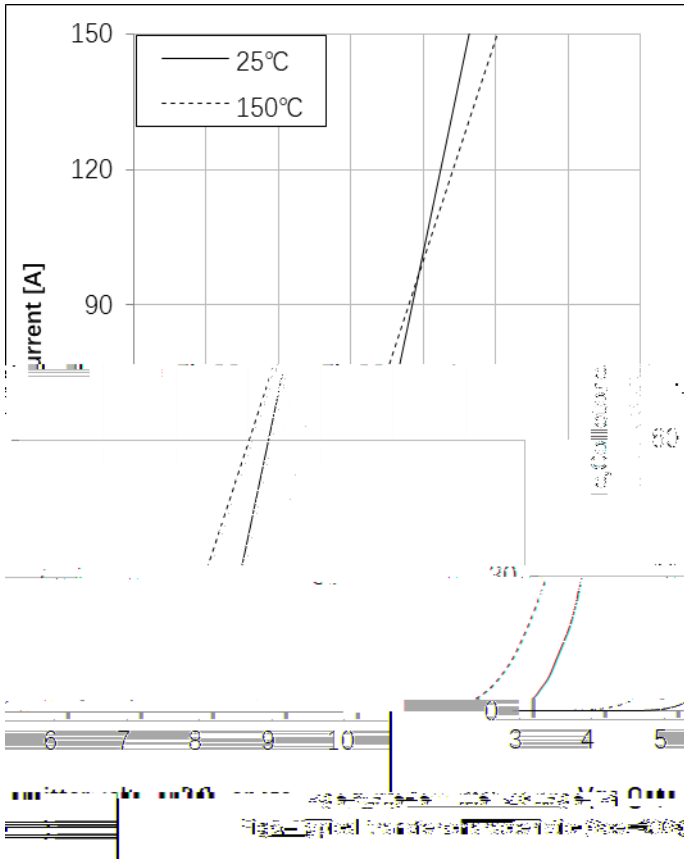


# DGZC75N65CTH2A



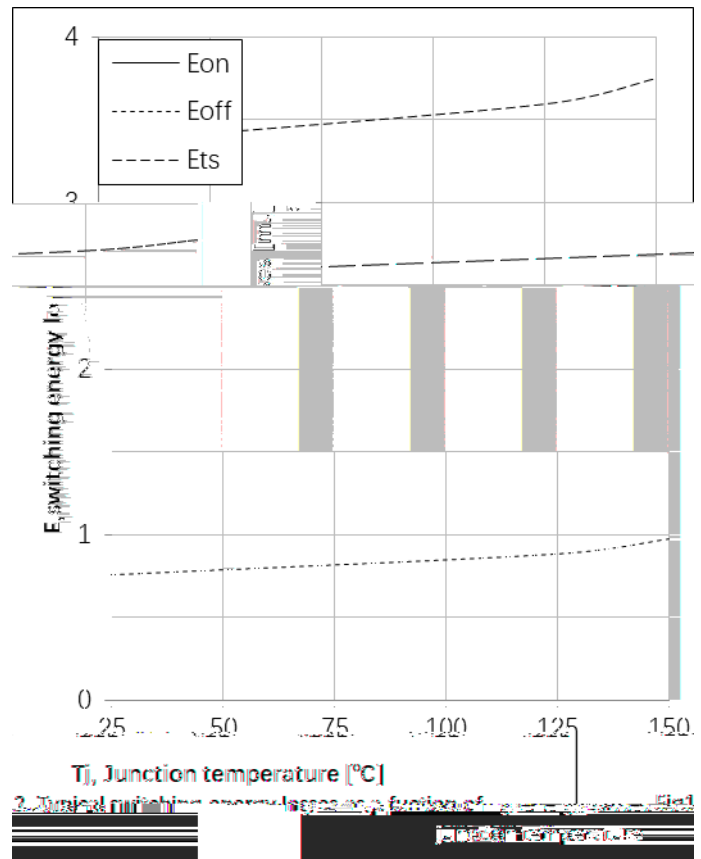
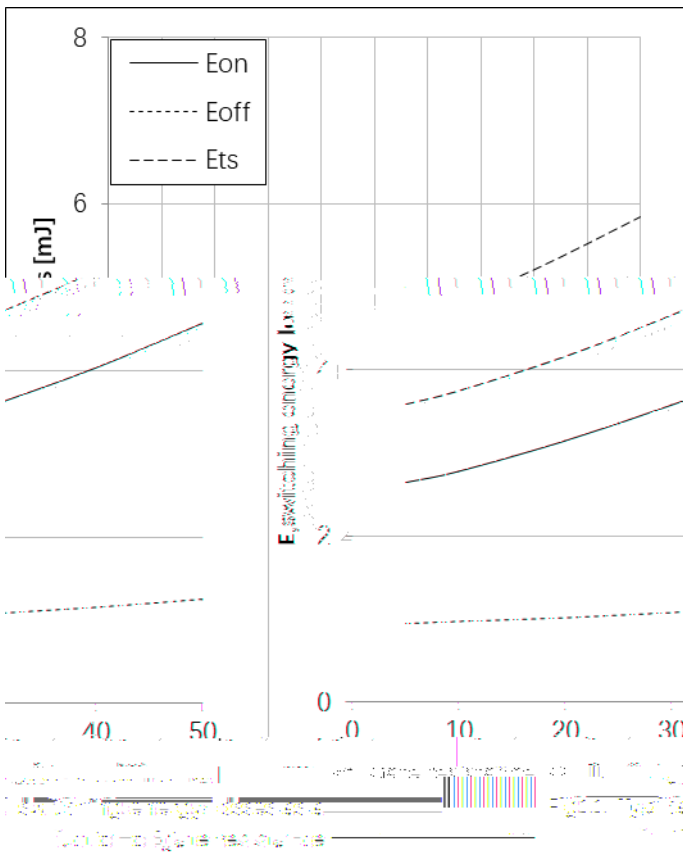
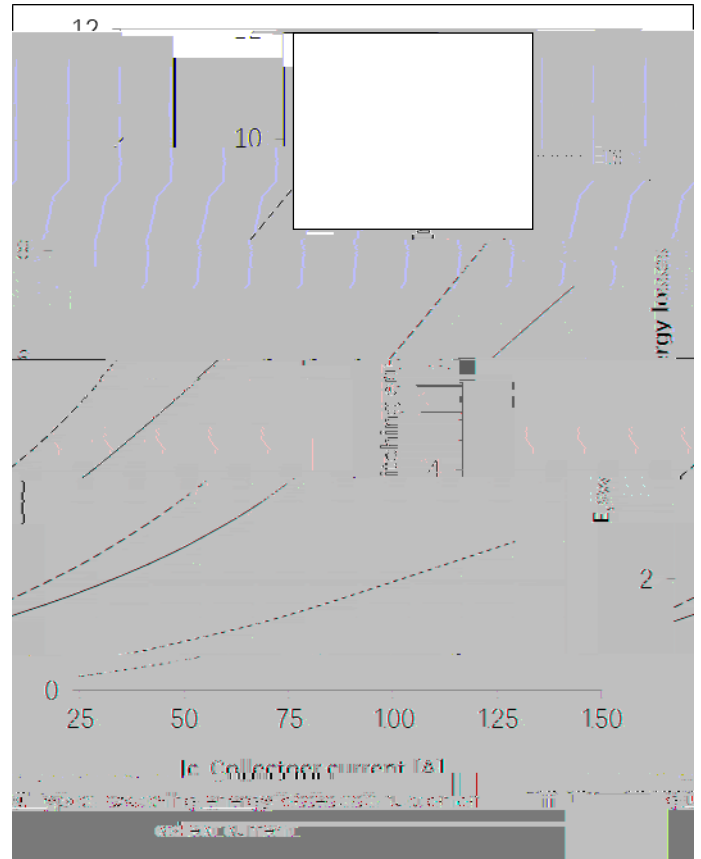
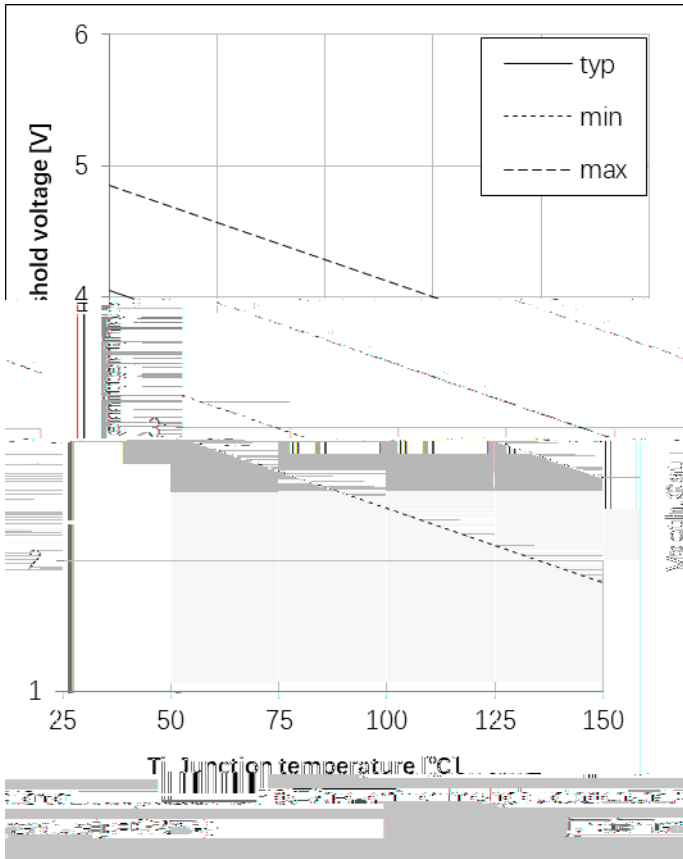


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# DGZC75N65CTH2A





# DGZC75N65CTH2A

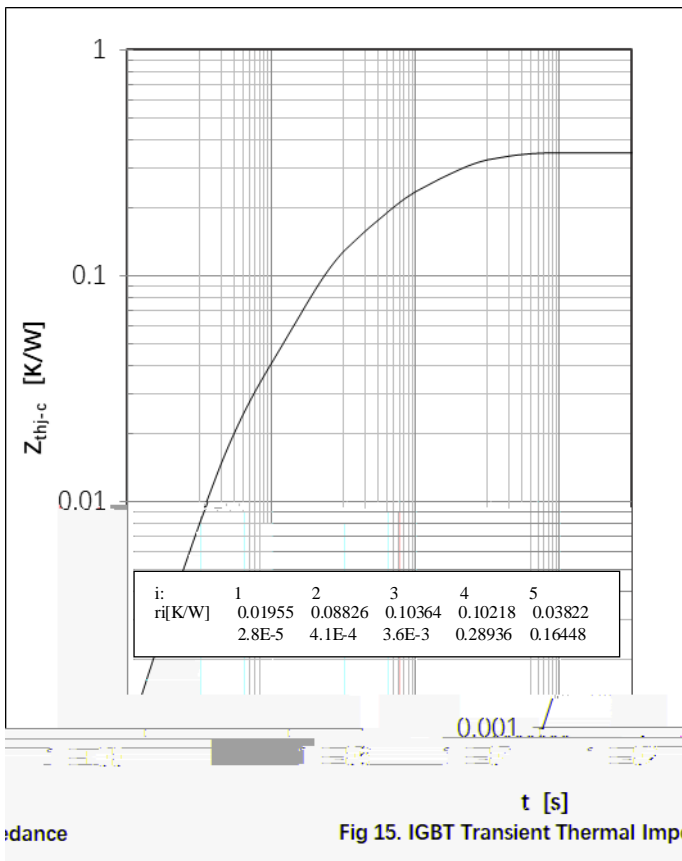
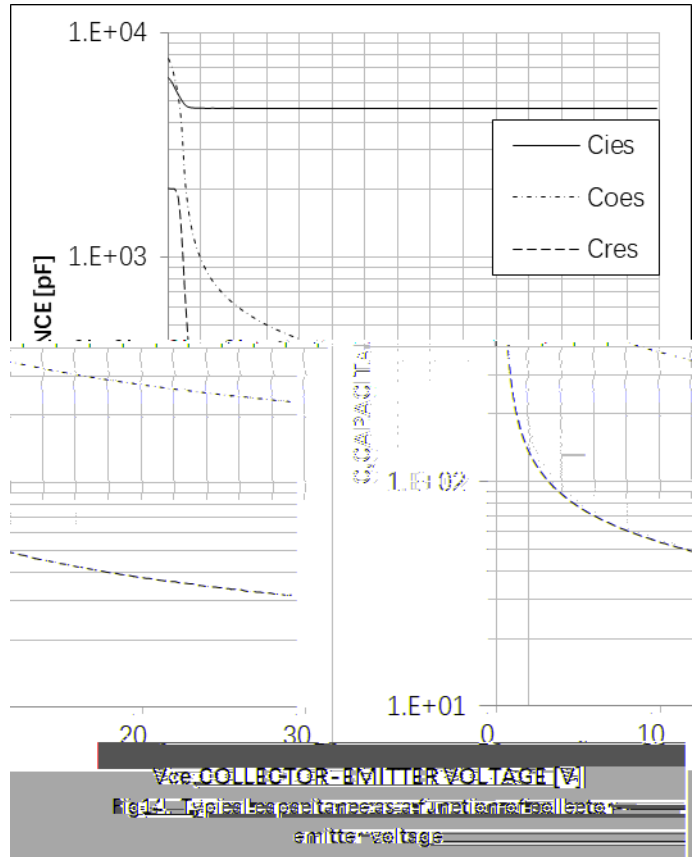
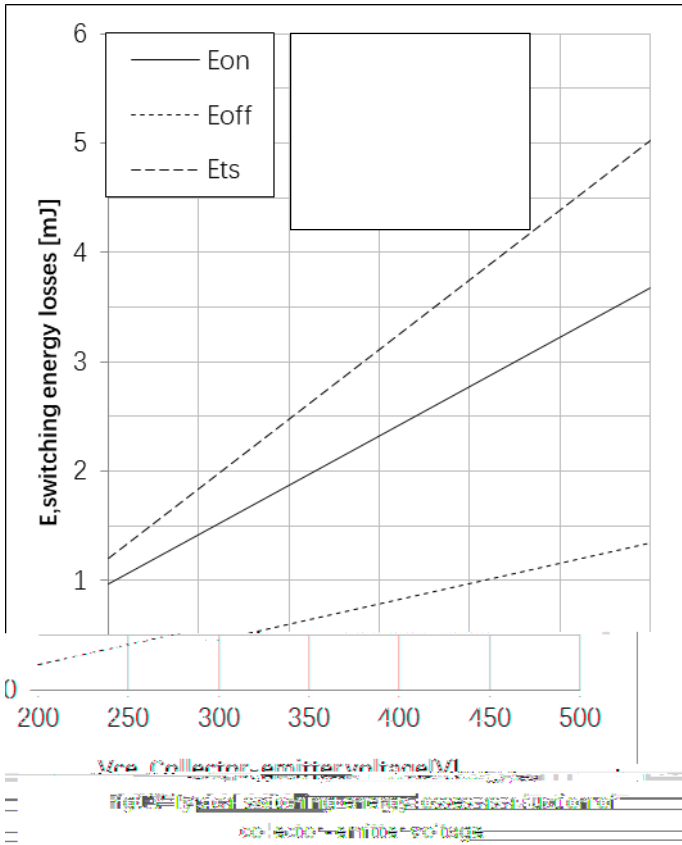


Fig 15. IGBT Transient Thermal Impedance

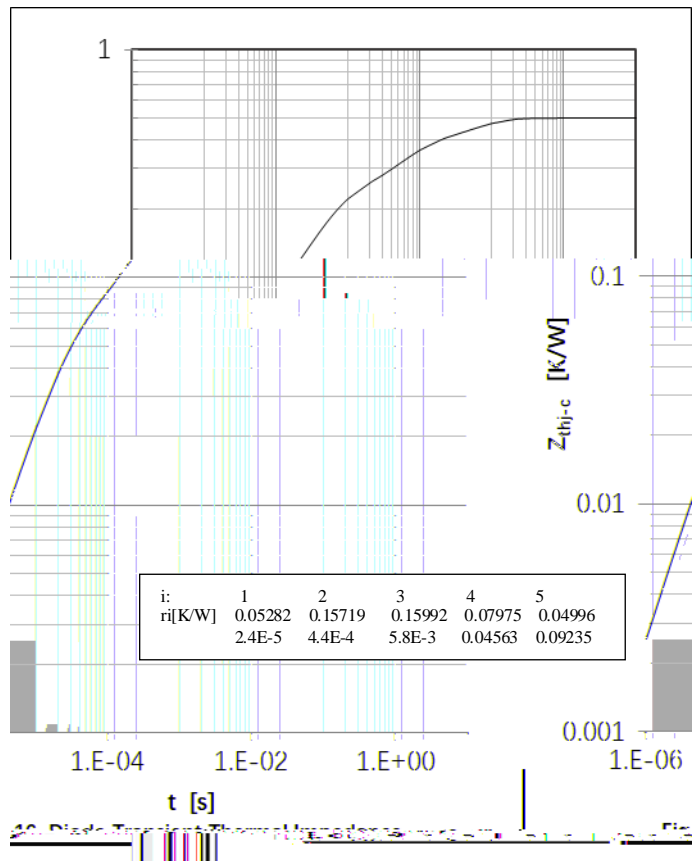


Fig 16. Diode Transient Thermal Impedance



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