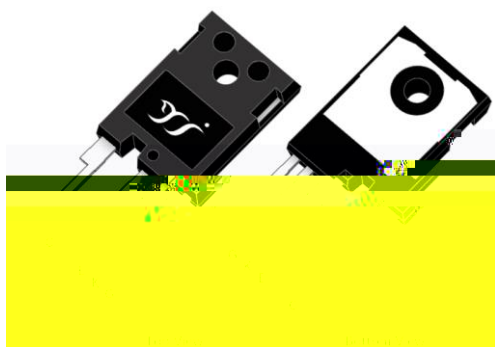






Electrical Characteristics of the IGBT $T_j = 25$ unless otherwise specified

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Static						

Collector-Emitter
Breakdown Voltage



Switching Characteristic, Inductive Load

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Dynamic , at T_j= 25						
Turn-on Delay Time	t _{d(on)}		-	30	-	ns

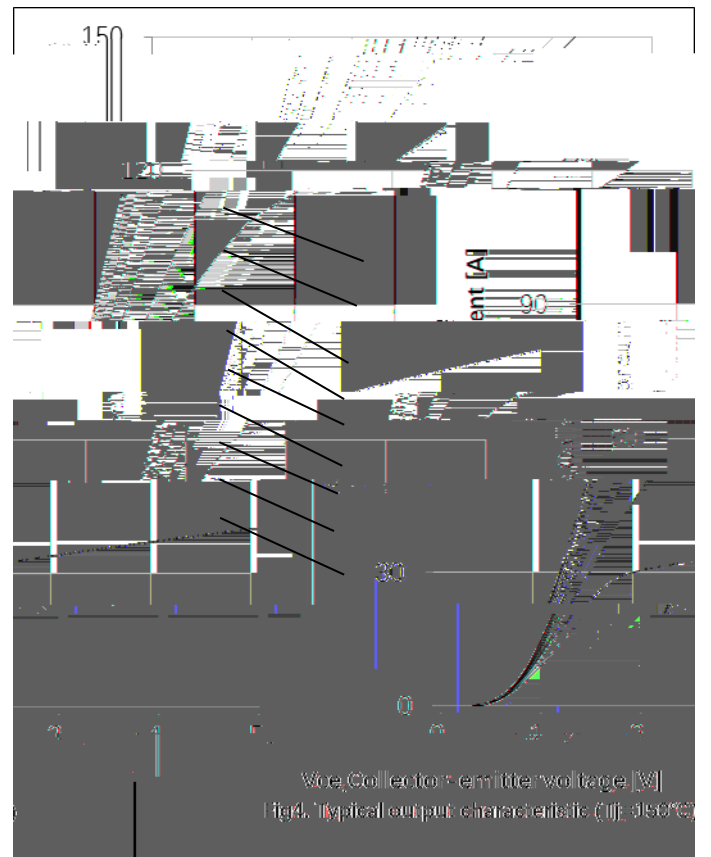
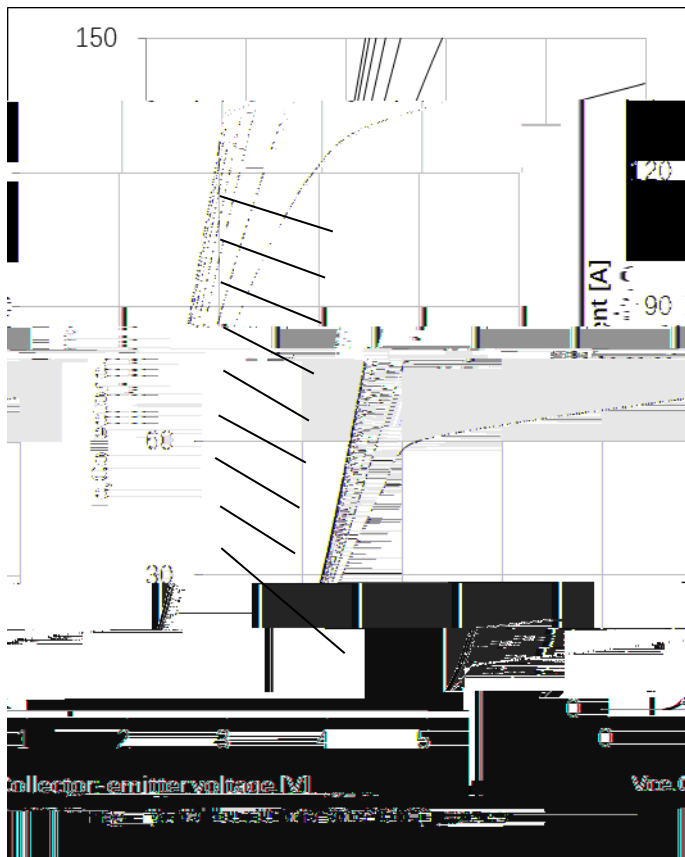
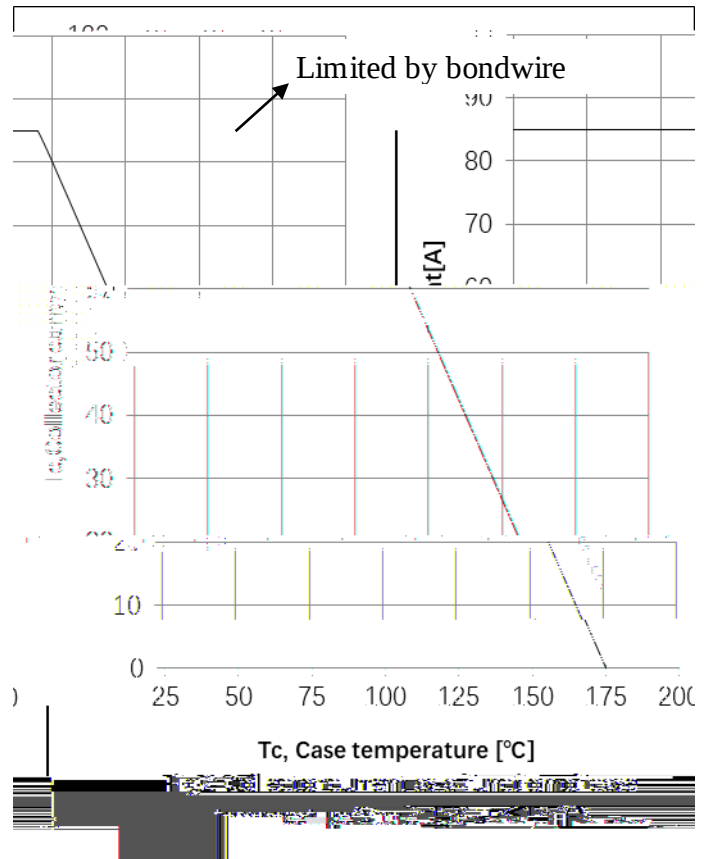
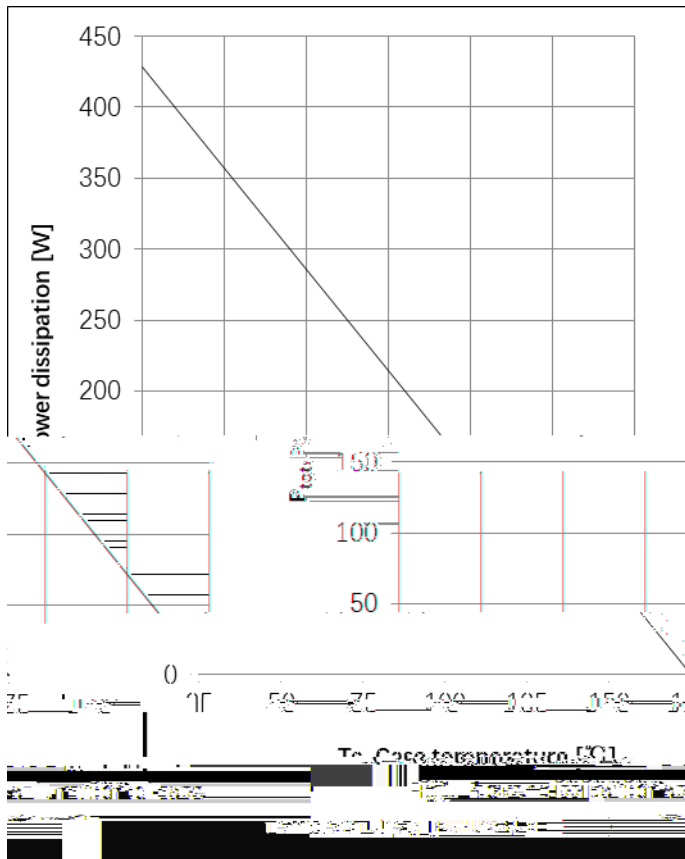
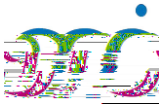
V_{CC}=400V, I_C=75A,
V_{GE}= -5v~15V,
R_g=10 ,
Inductive Load

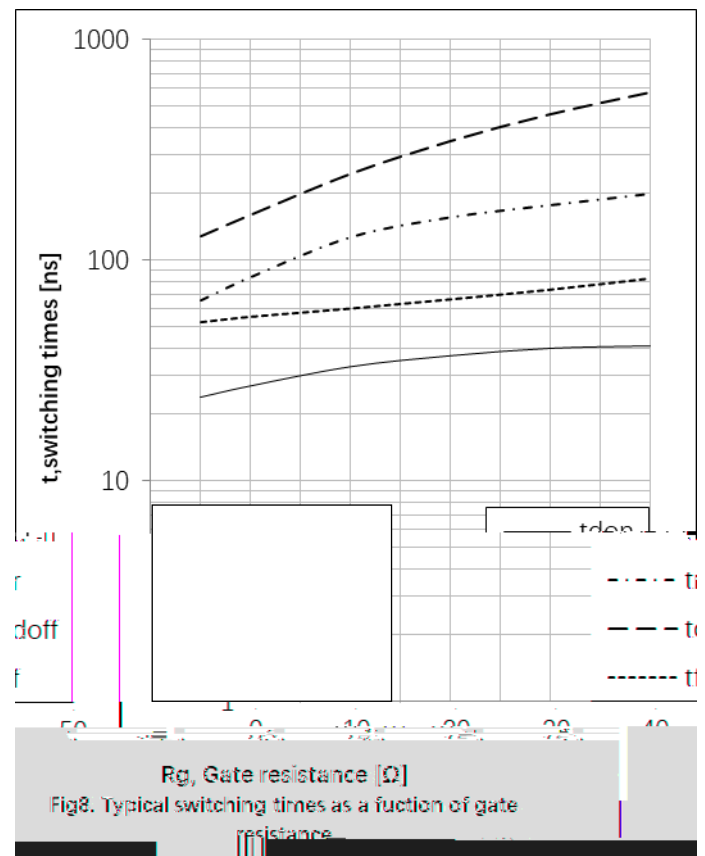
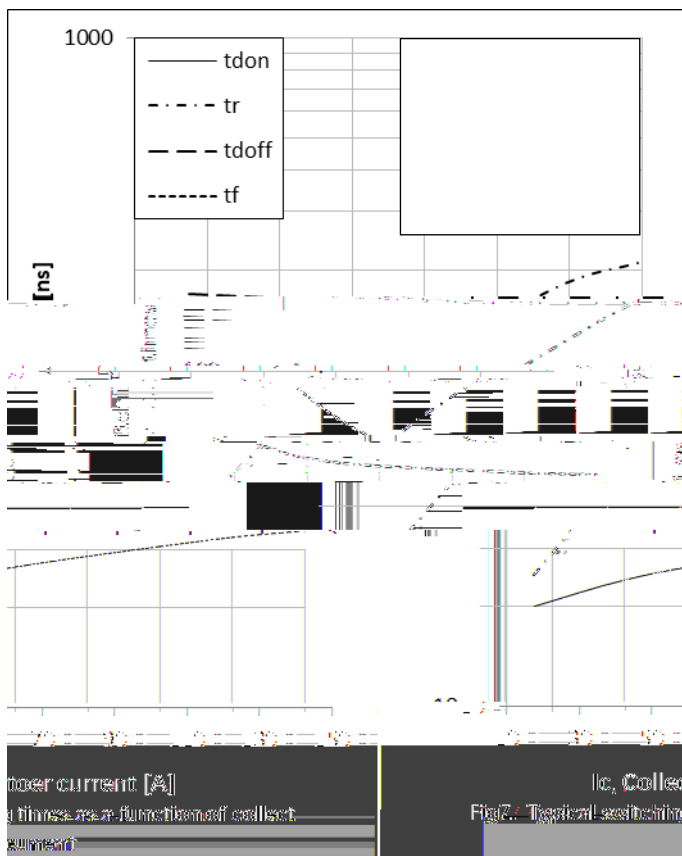
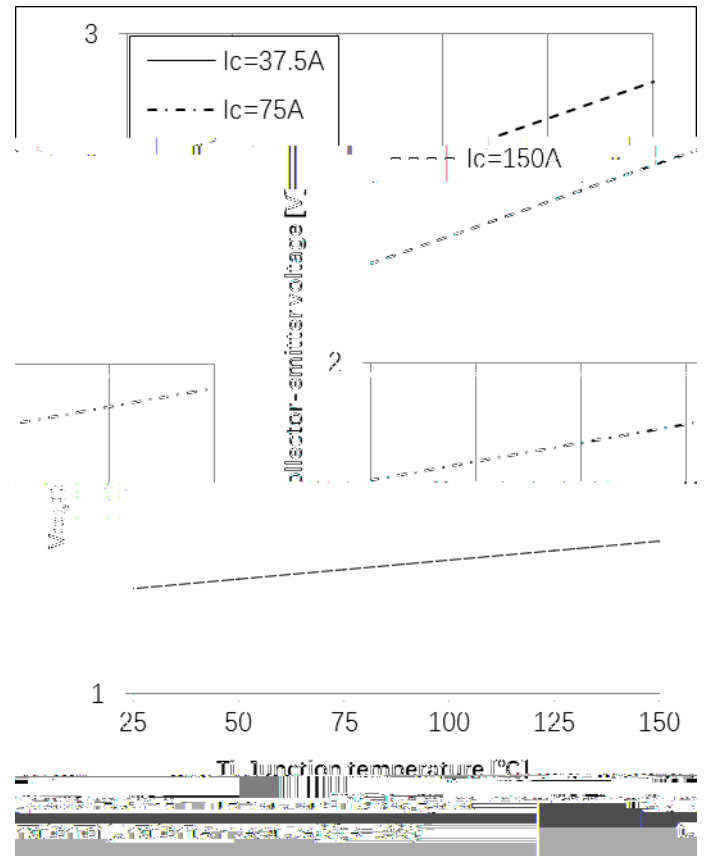
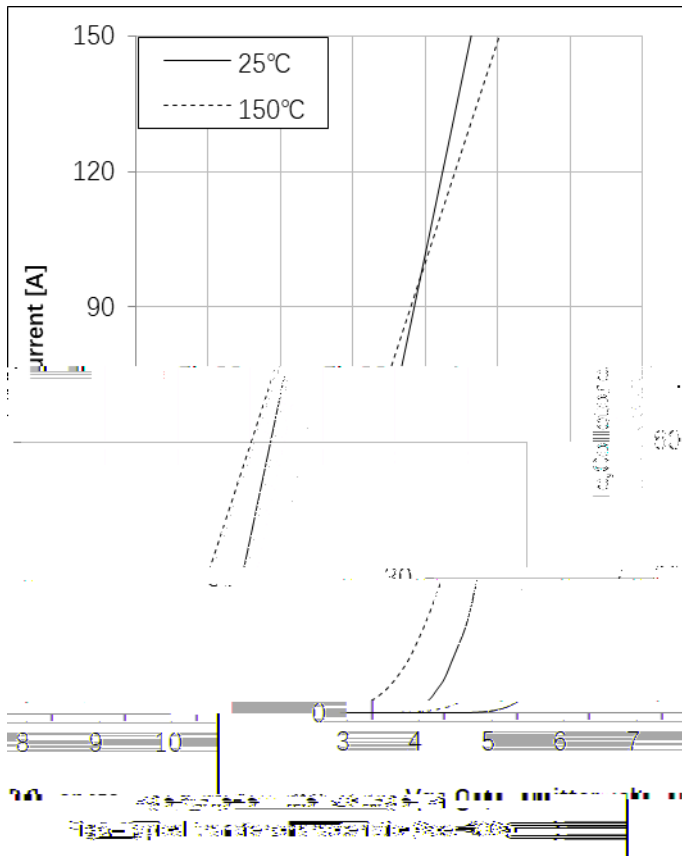
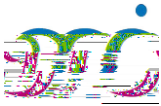


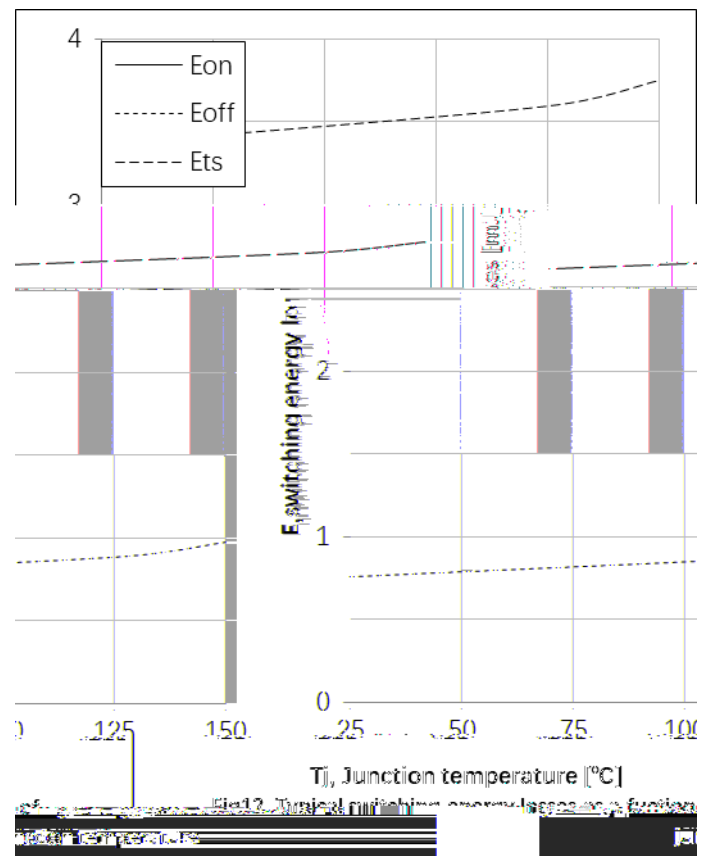
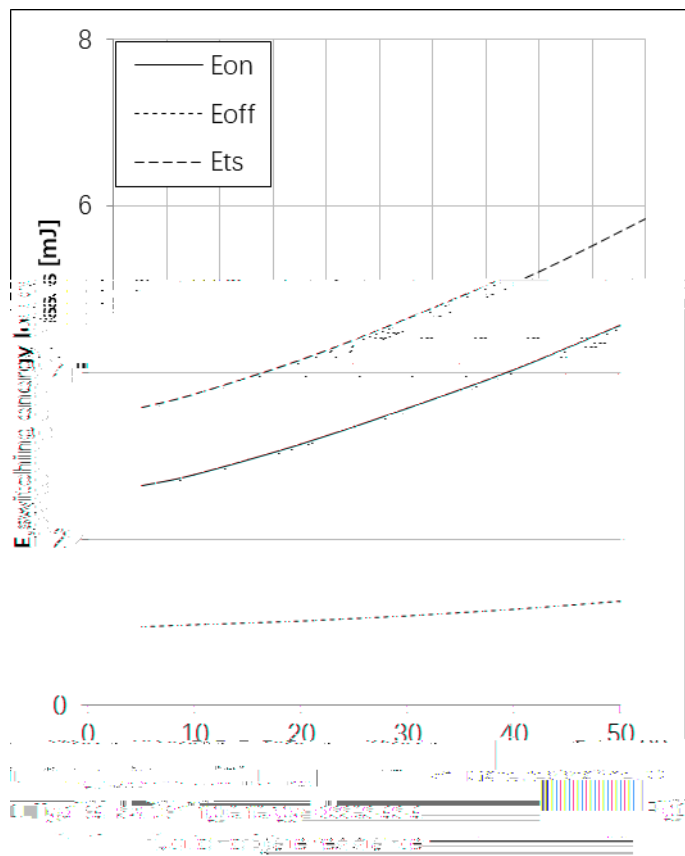
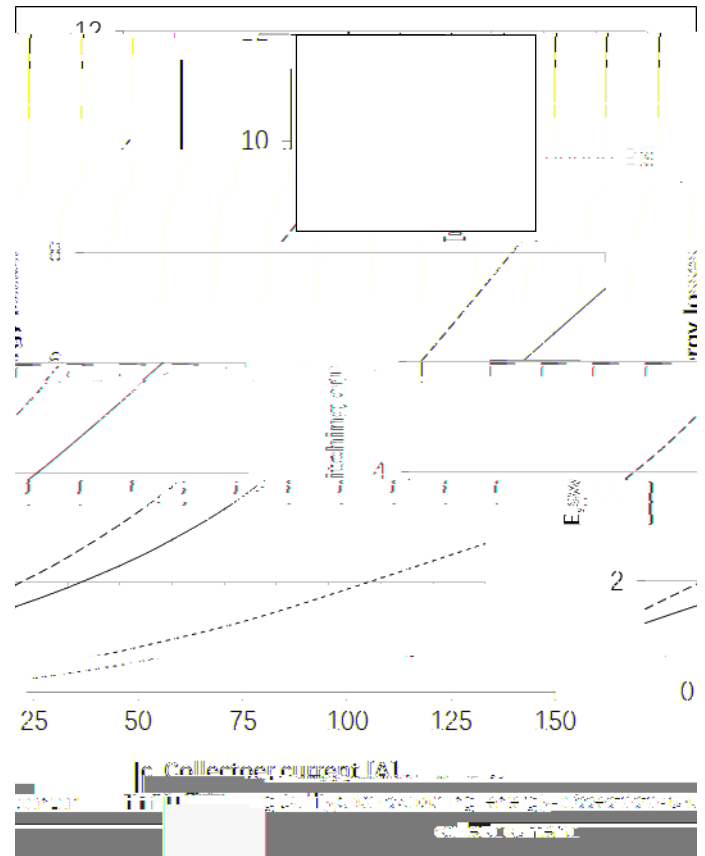
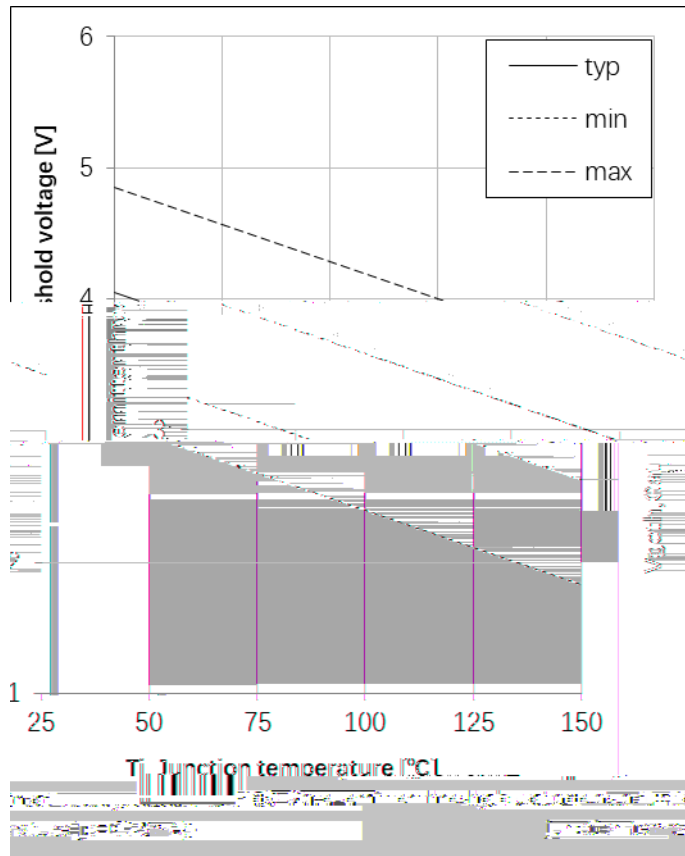
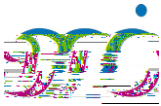
Electrical Characteristics of the DIODE

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Static						
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	$V_R = 400V$, $T_j = 25^{\circ}C$
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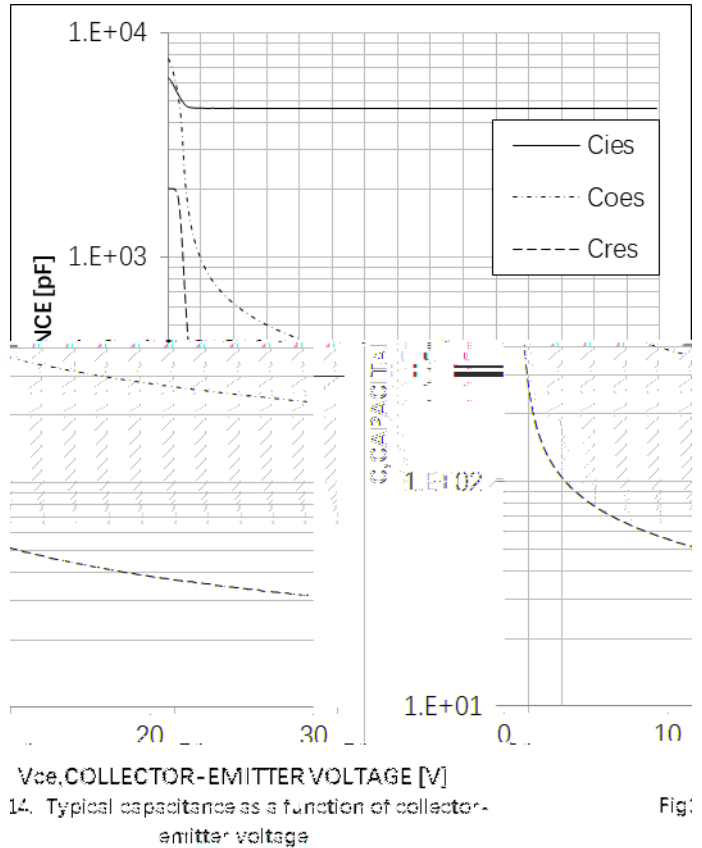
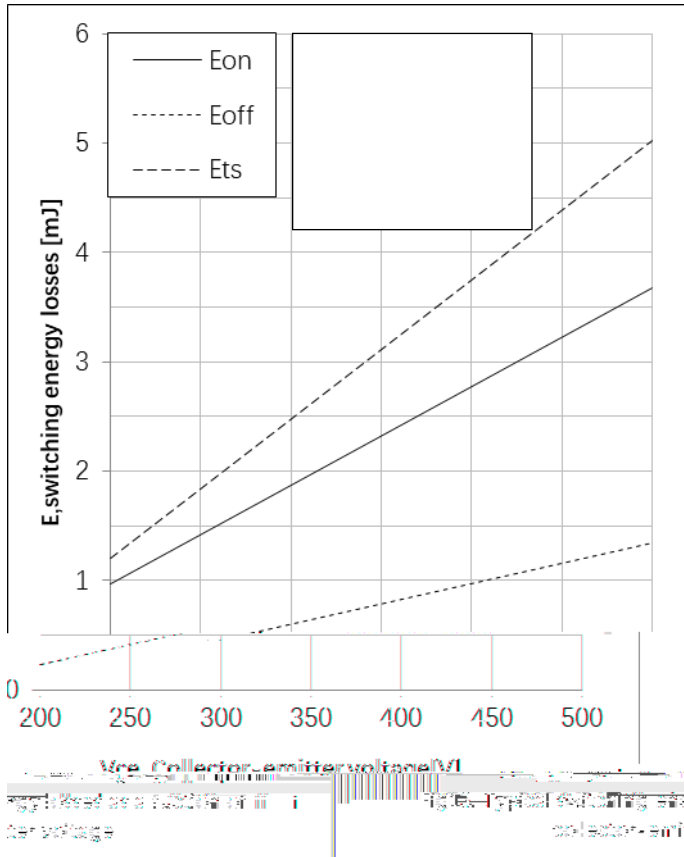
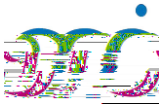


Fig:

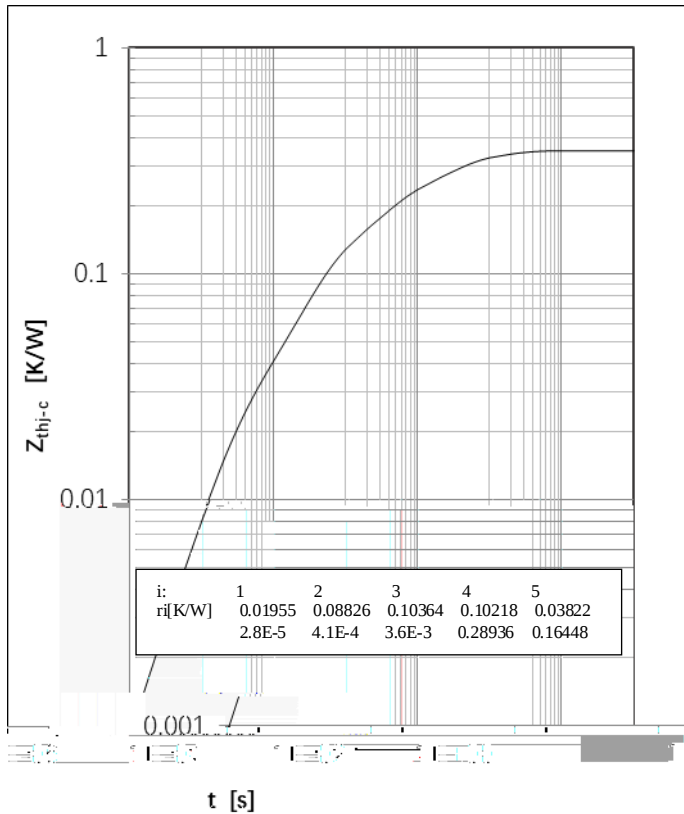


Fig 15. IGBT Transient Thermal Impedance

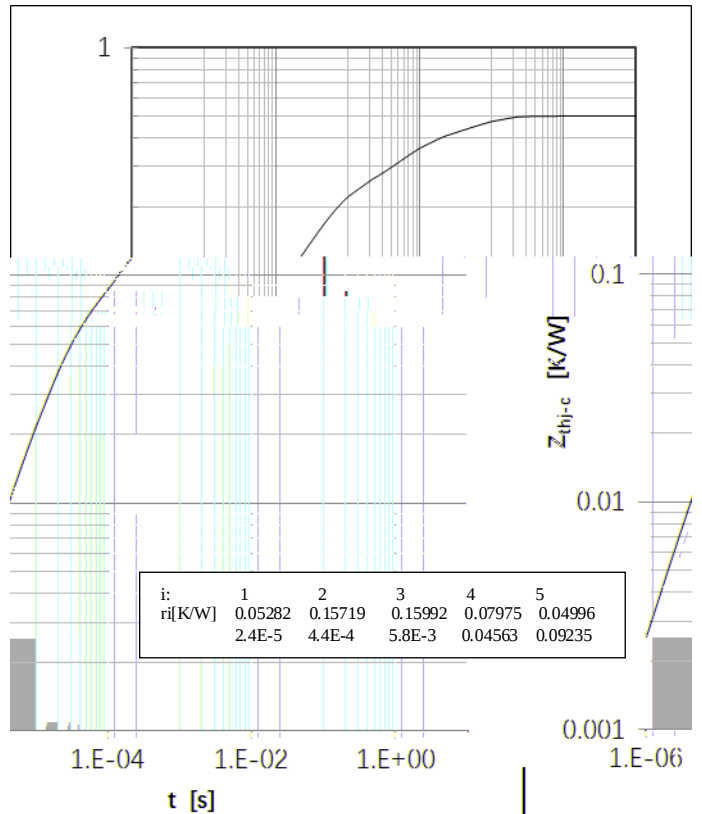


Fig:



