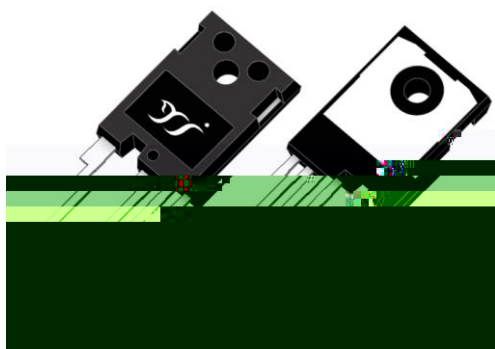




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Electrical Characteristics of the IGBT $T_j = 25$ unless otherwise specified

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Static						

Collector-Emitter
Breakdown Voltage



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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

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



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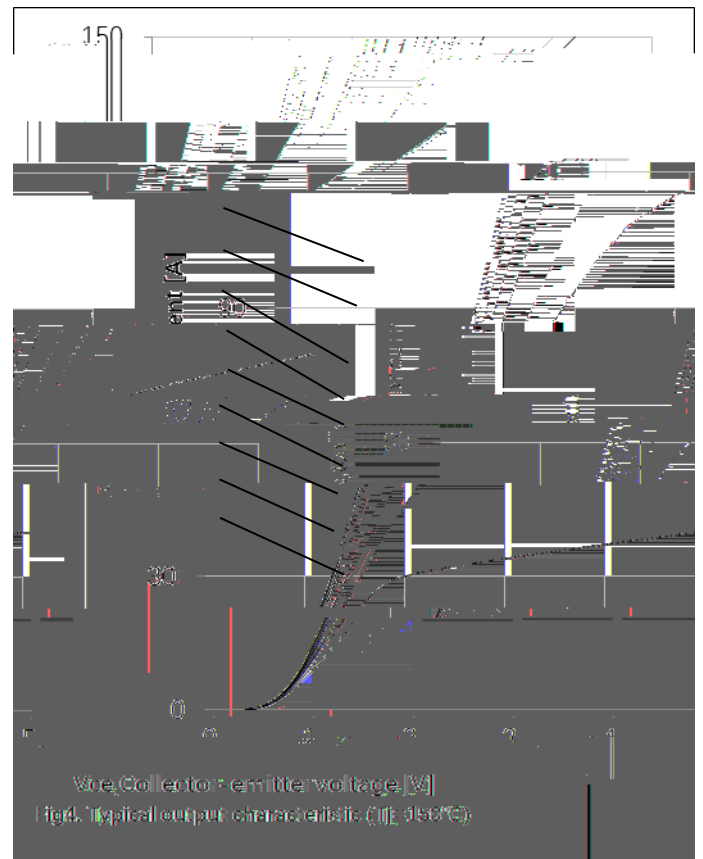
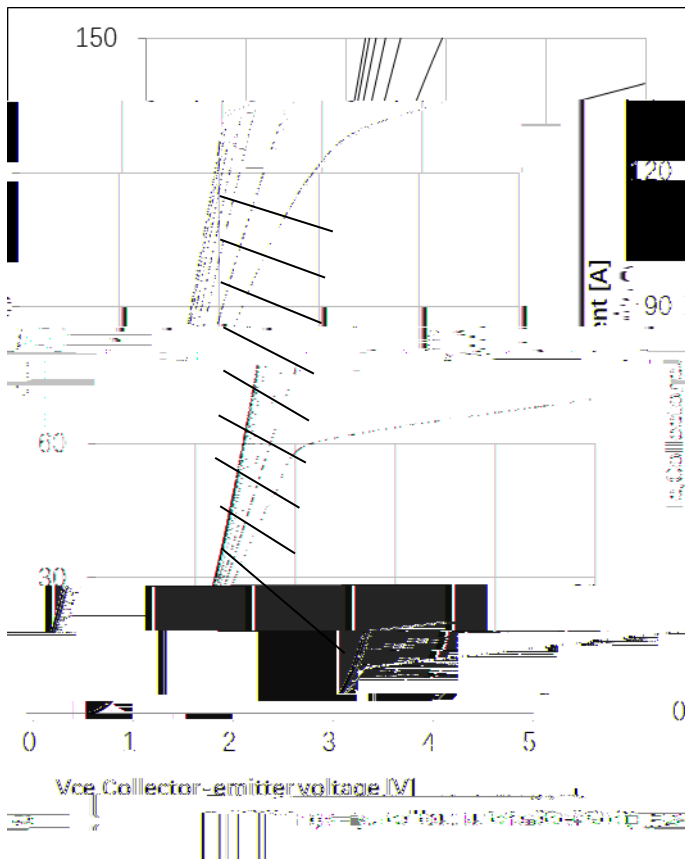
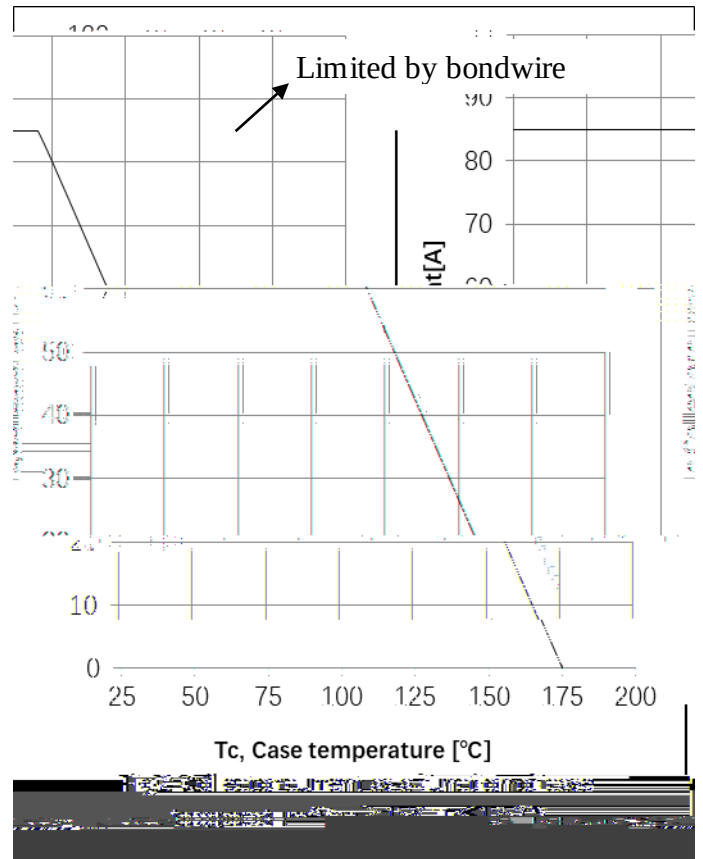
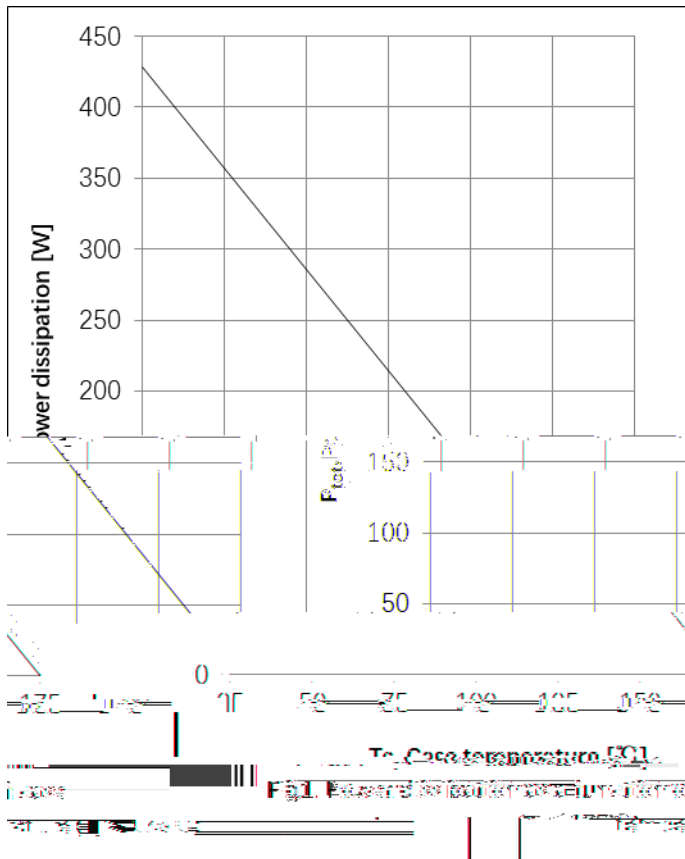
Electrical Characteristics of the DIODE

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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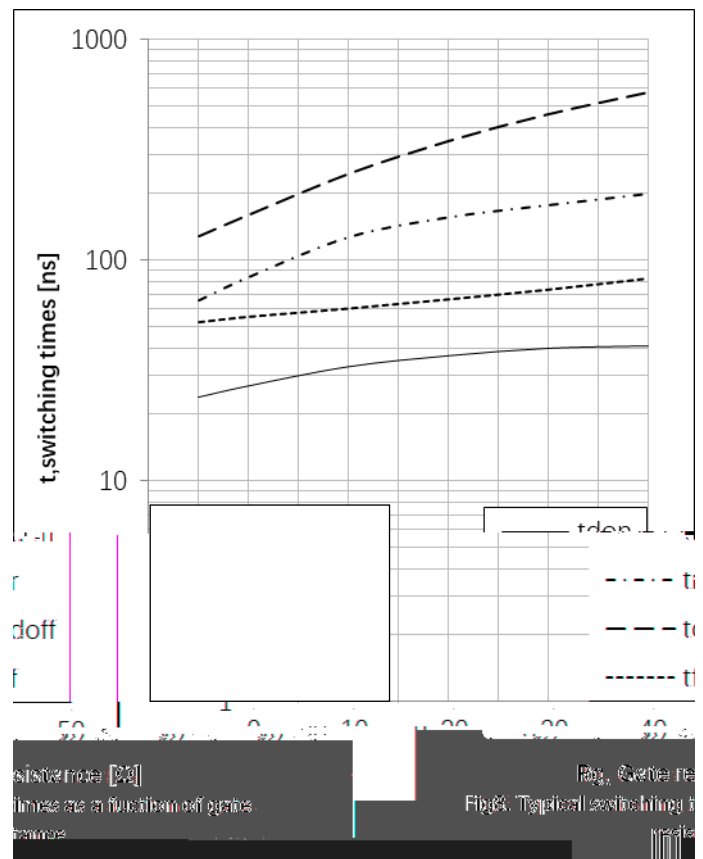
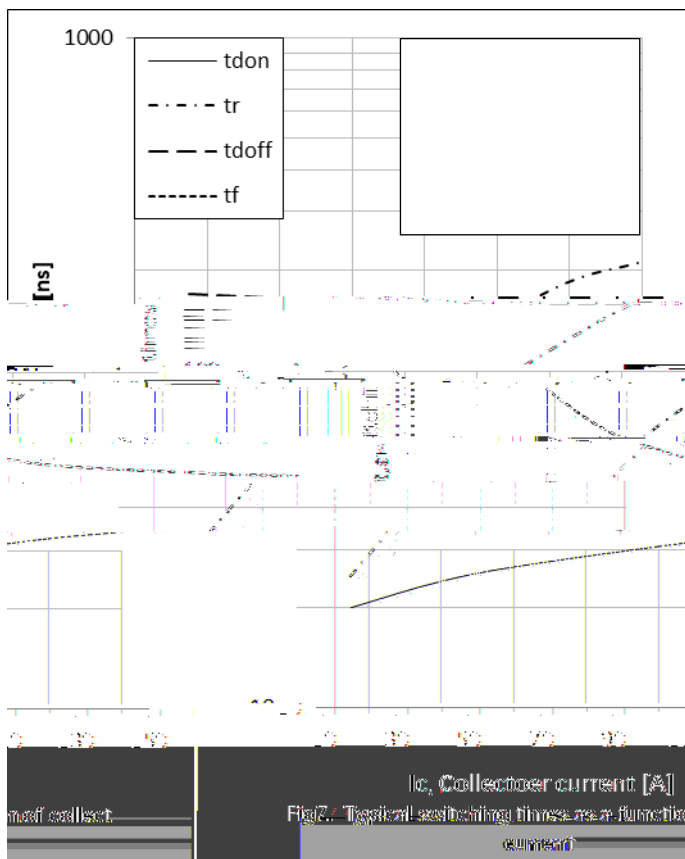
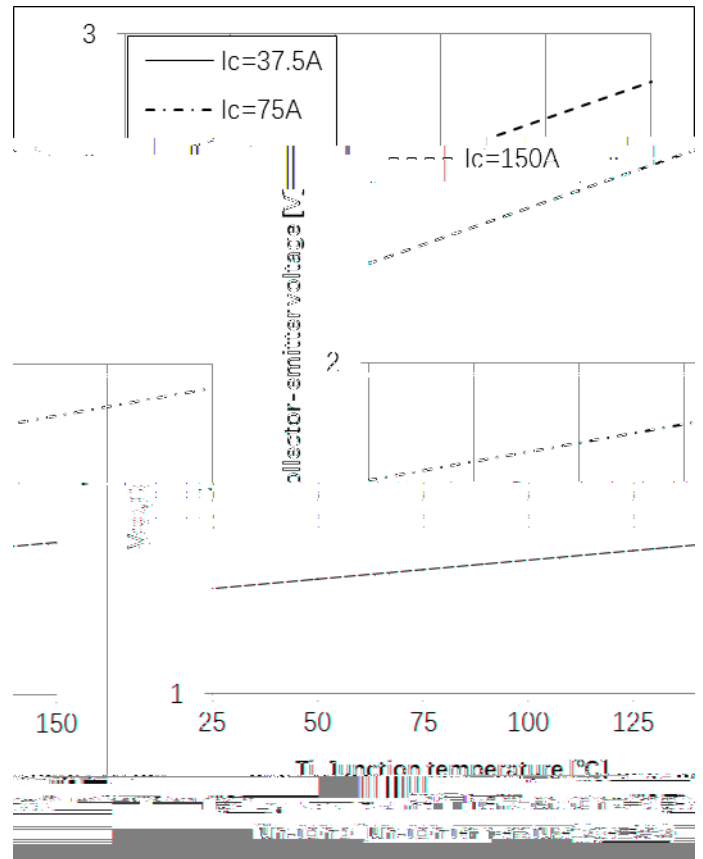
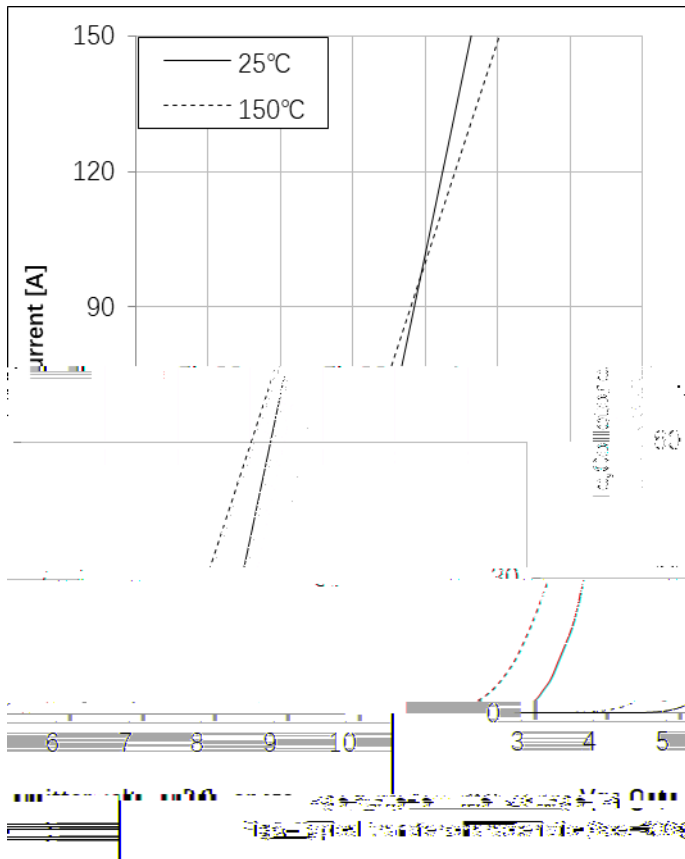


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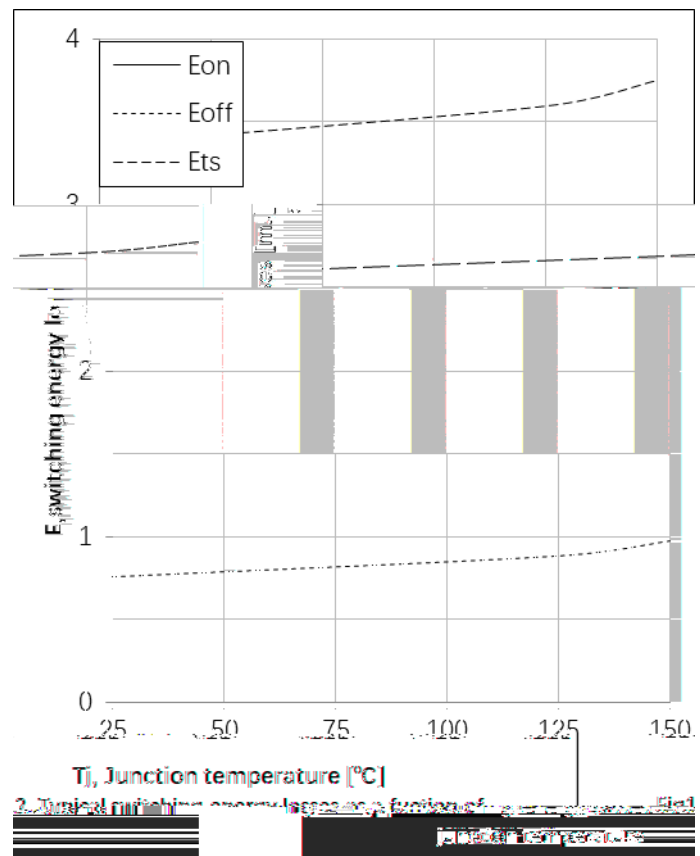
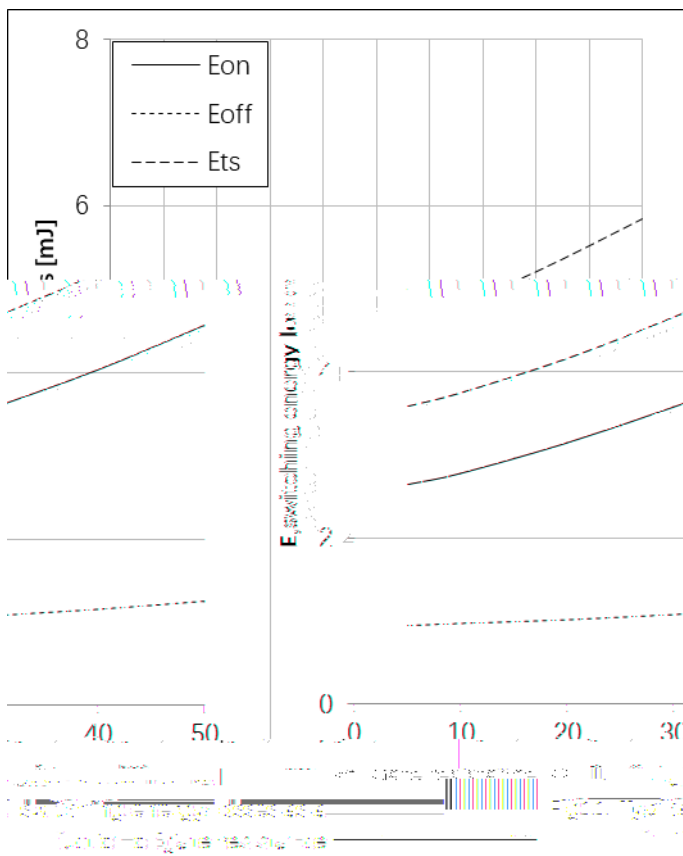
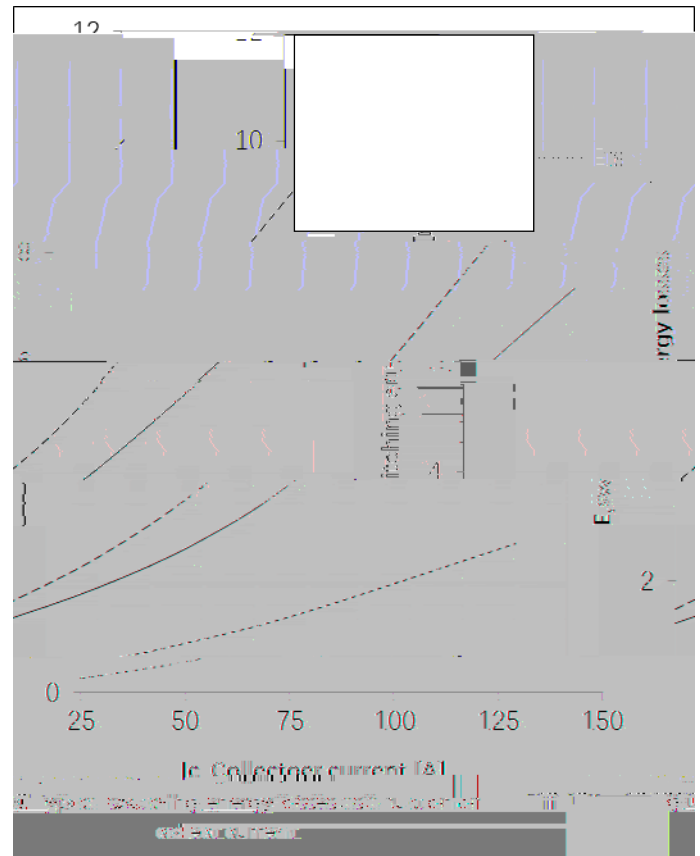
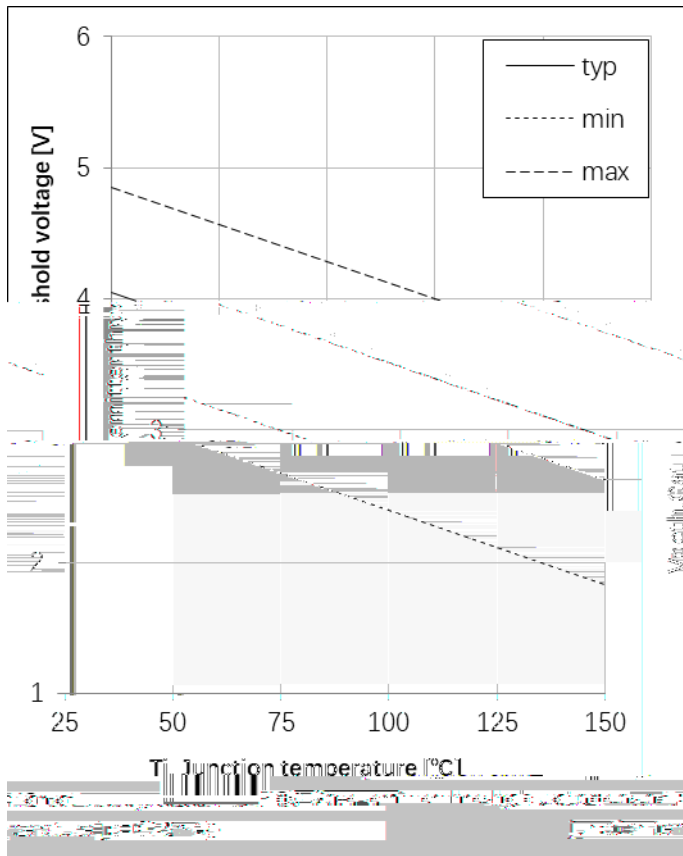


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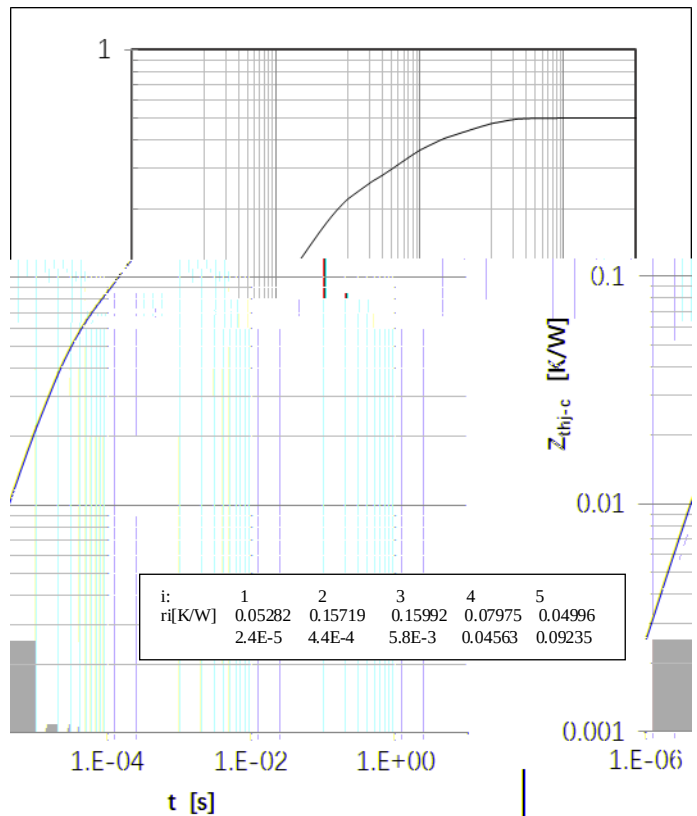
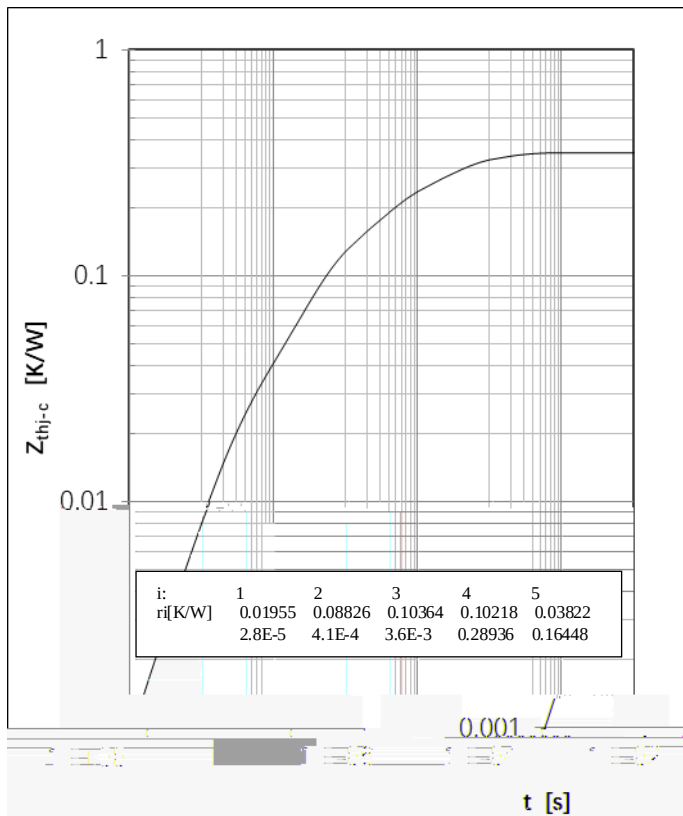
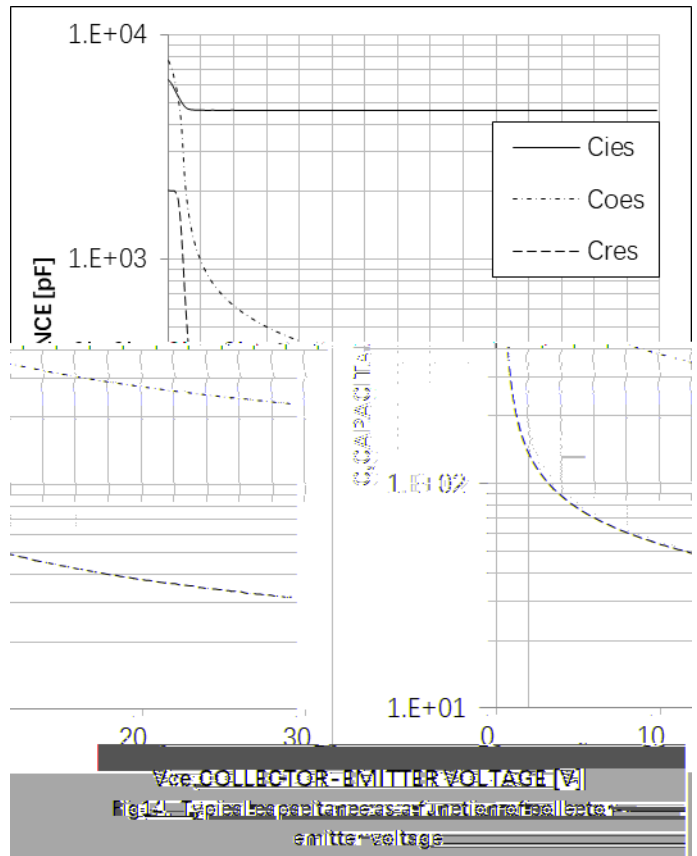
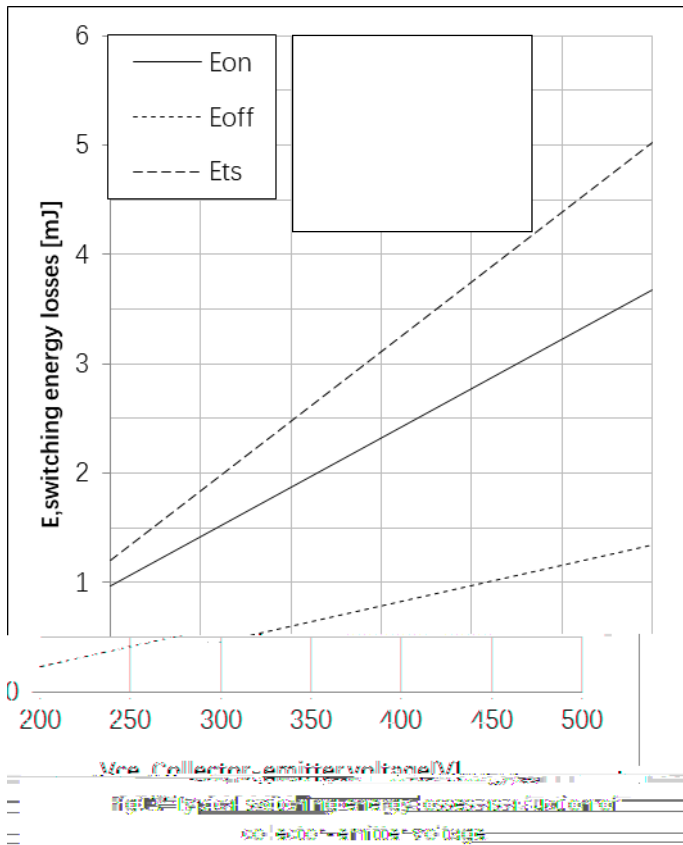


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