



DGW100N65CTL1D



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

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Static						

Diode Forward Voltage

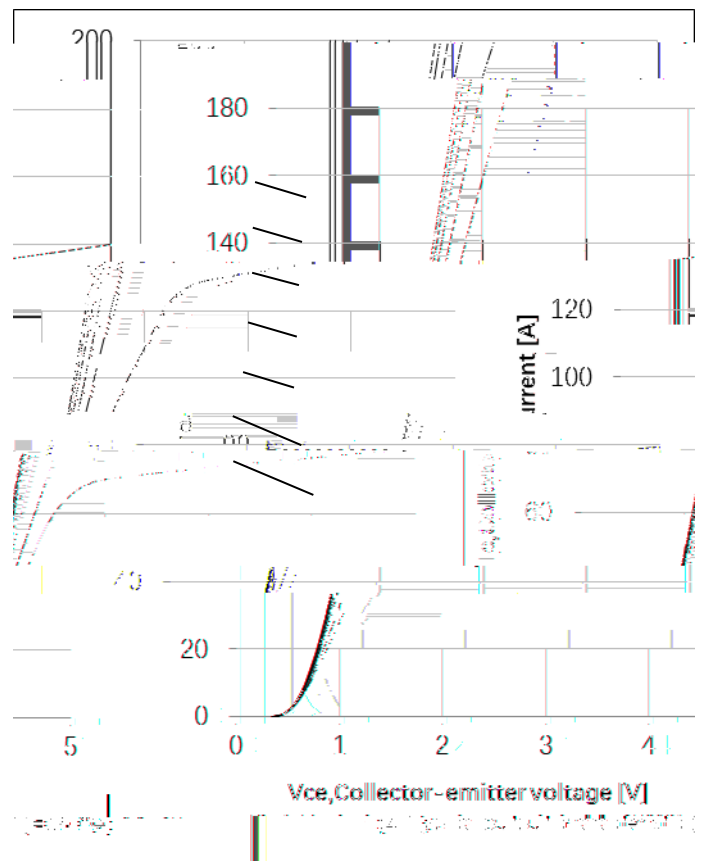
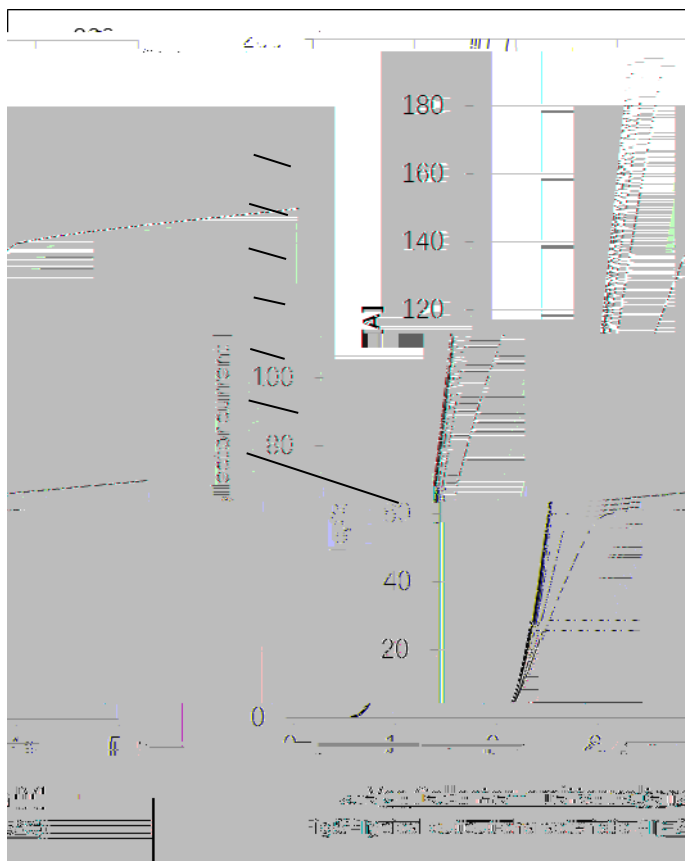
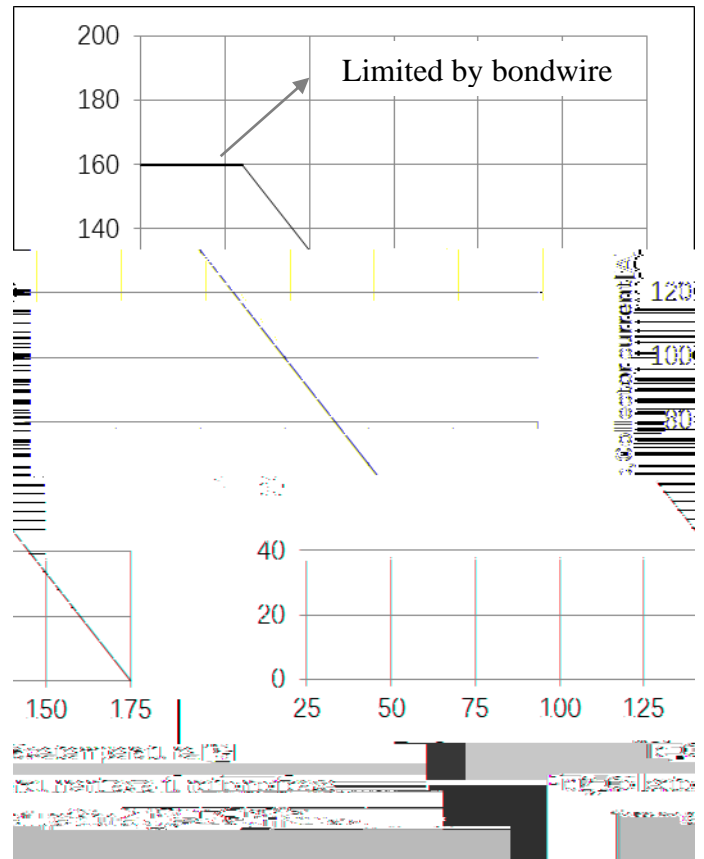
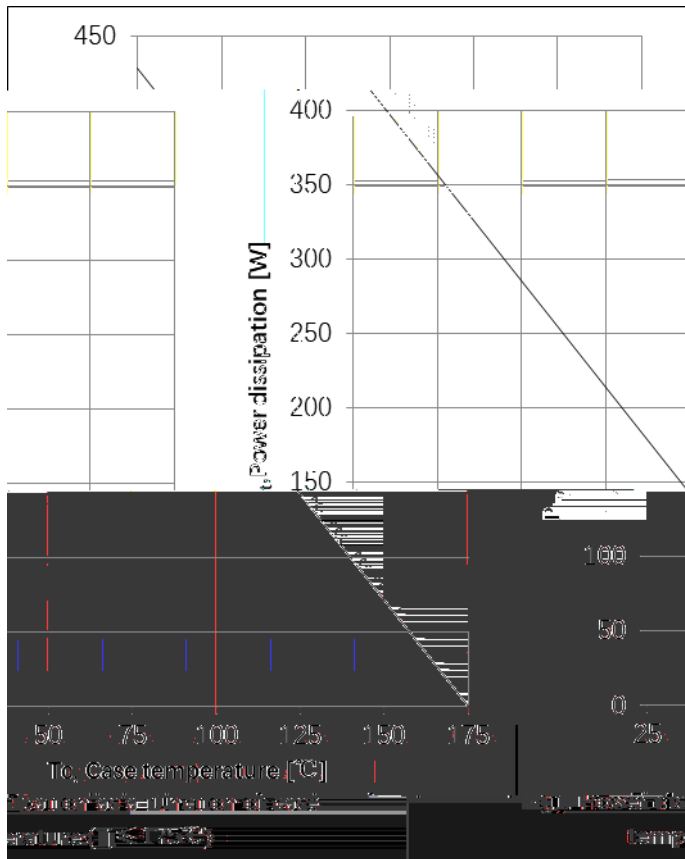


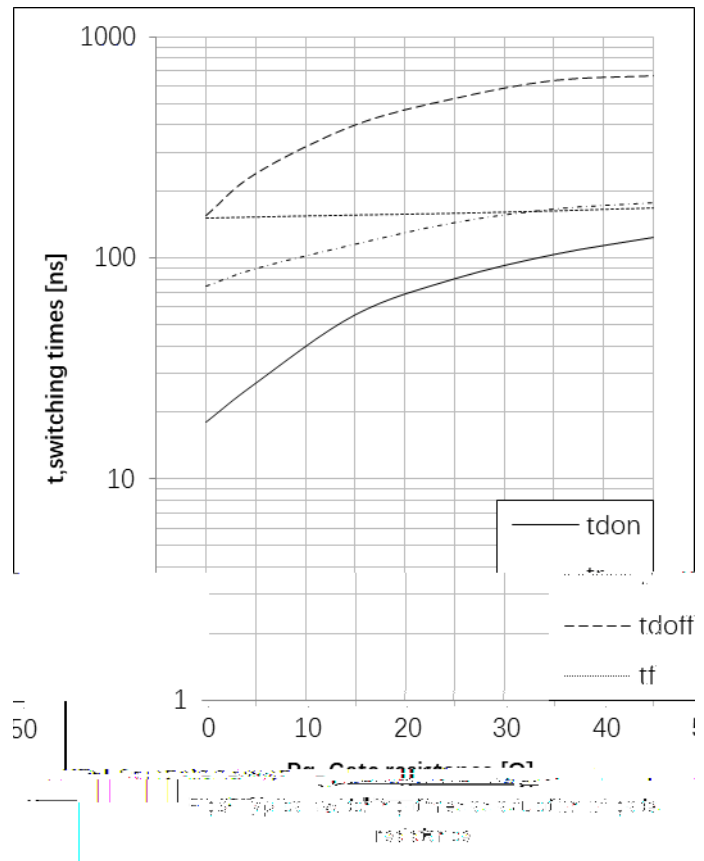
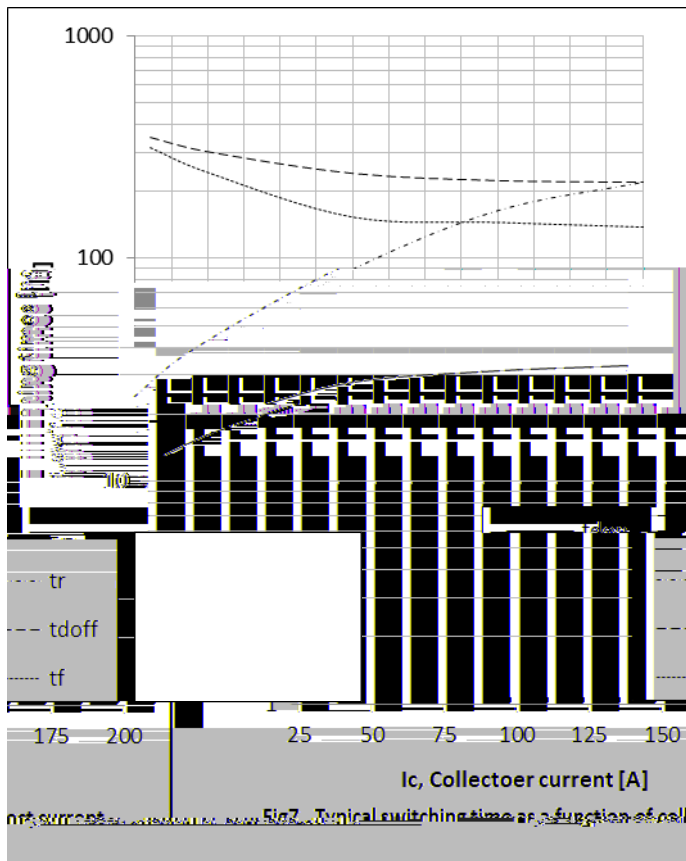
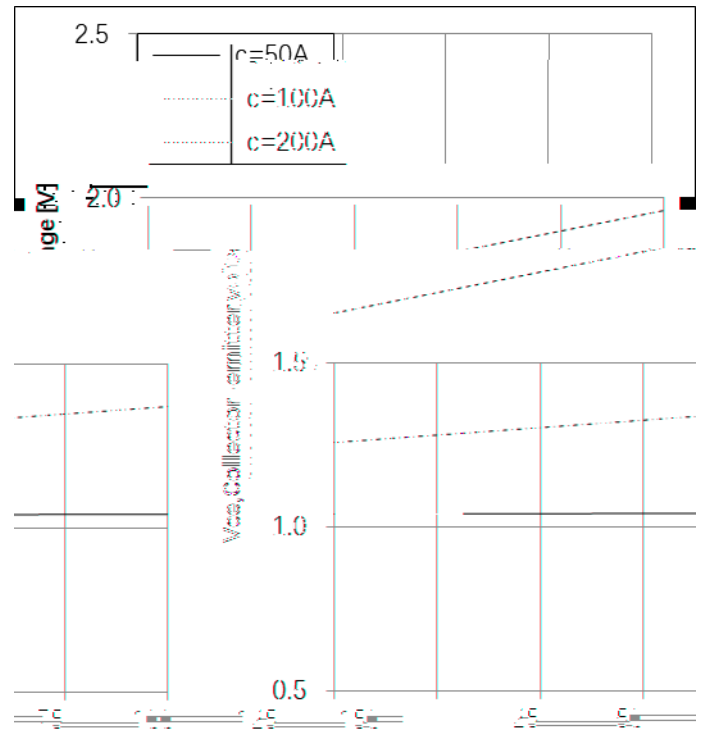
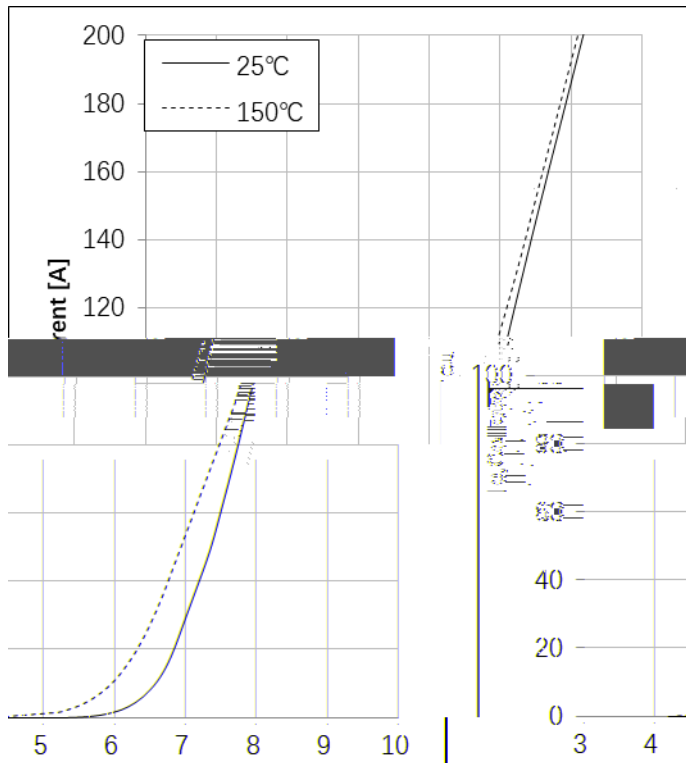
Electrical Characteristics of the DIODE

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Dynamic , at T_j= 25						
Reverse Recovery Current	I _{rr}	I _F =100A, V _R =300V -di/dt=550A/μs,	-	23	-	A
Reverse Recovery Charge	Q _{rr}		-	1.8	-	uC
Diode reverse recovery time	trr		-	116	-	ns
Reverse Recovery Energy	E _{rec}		-	0.16	-	mJ
Dynamic , at T_j= 125						

Reverse Recovery Current	I _{rr}		-	36	-	A
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I_F=100A,
V_R=300V
-di/dt=550A/μs,





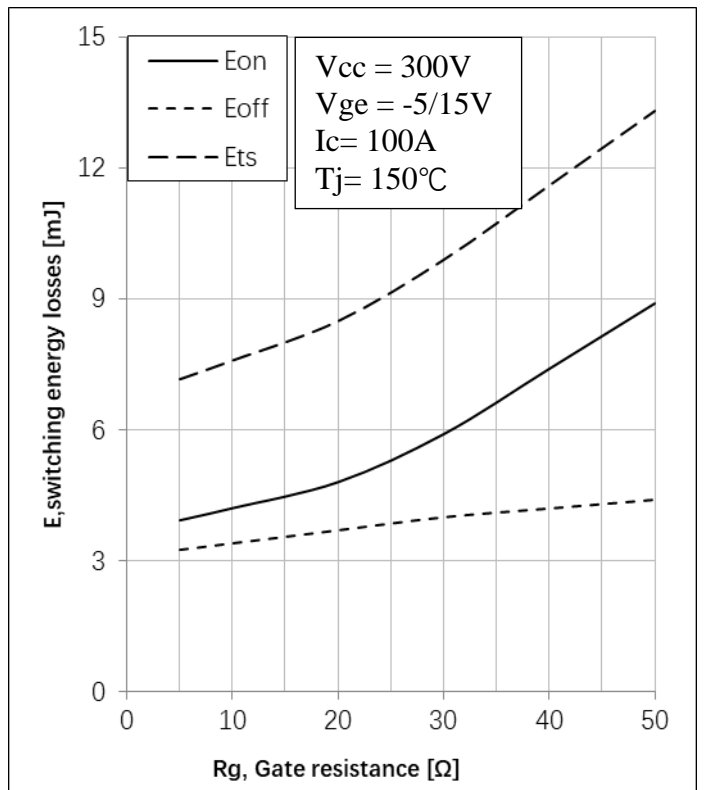
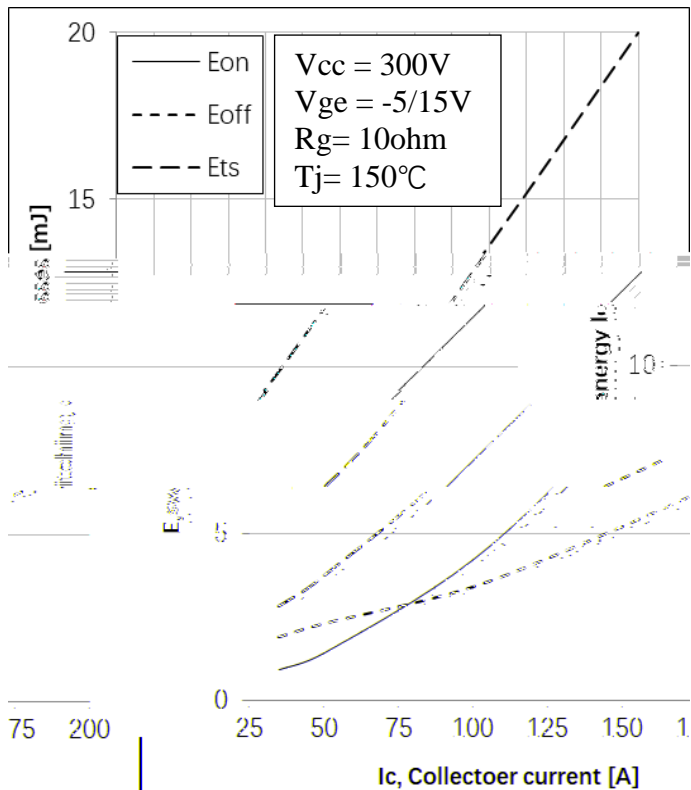
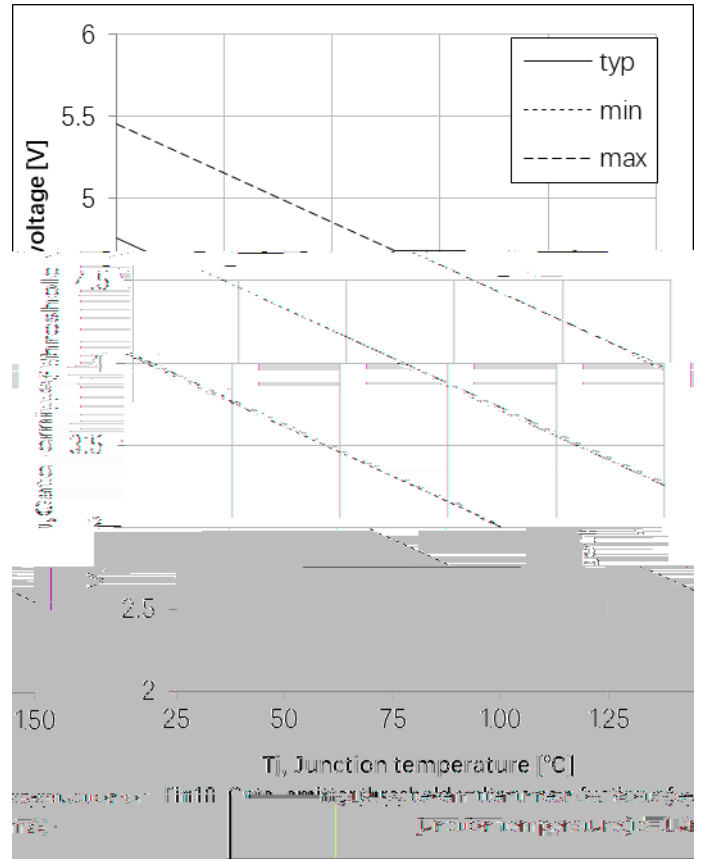
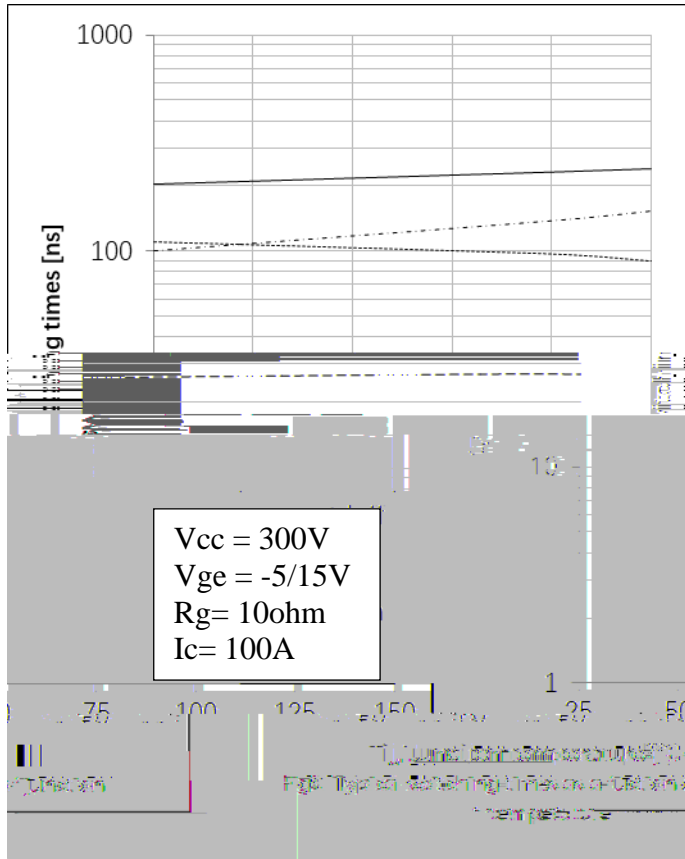


Fig12. Typical switching energy losses as a function of gate resistance

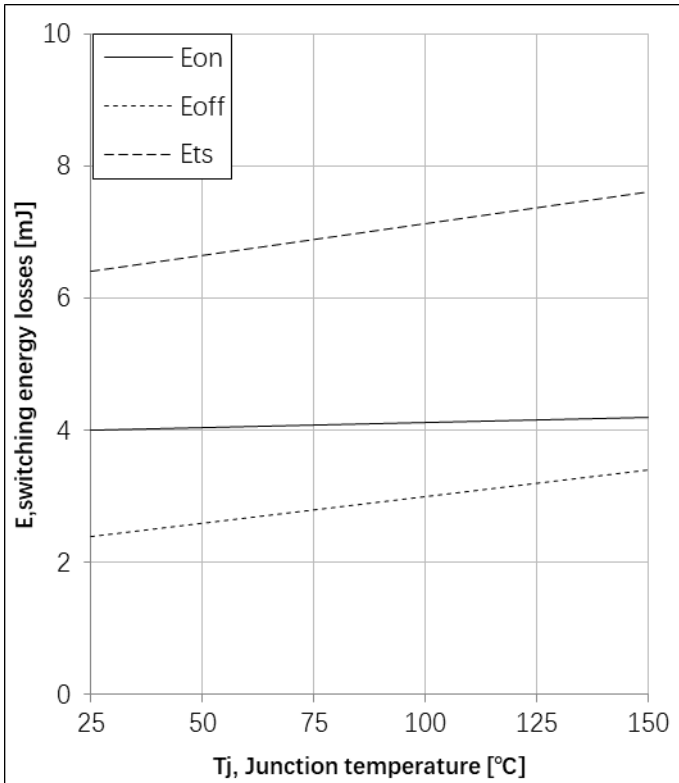


Fig.13. Typical switching energy losses as a function of

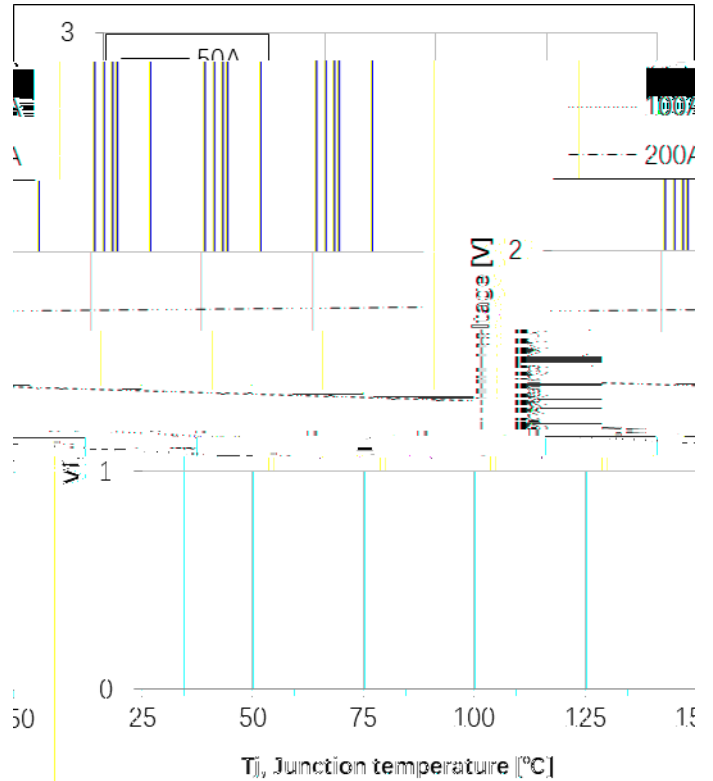
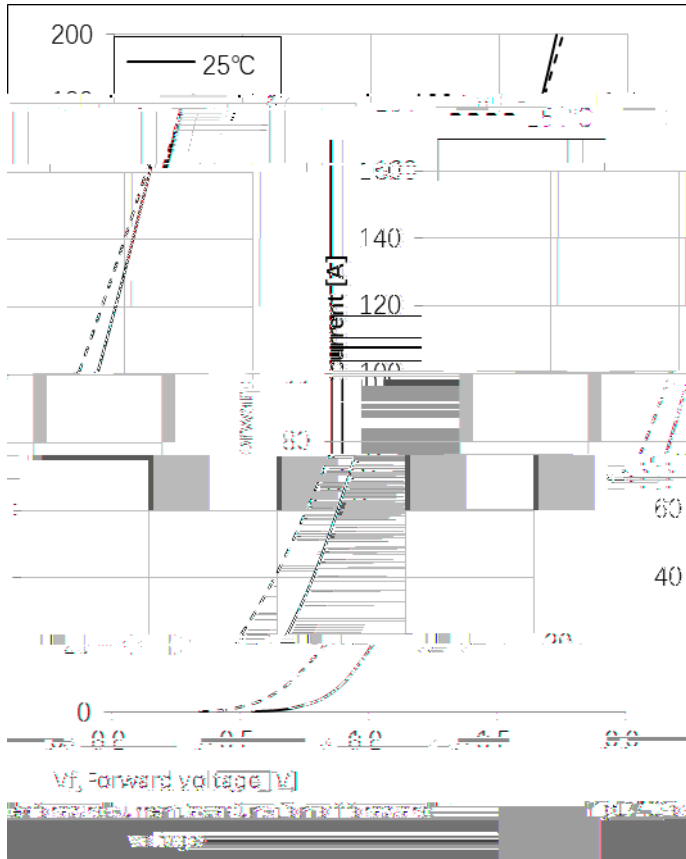
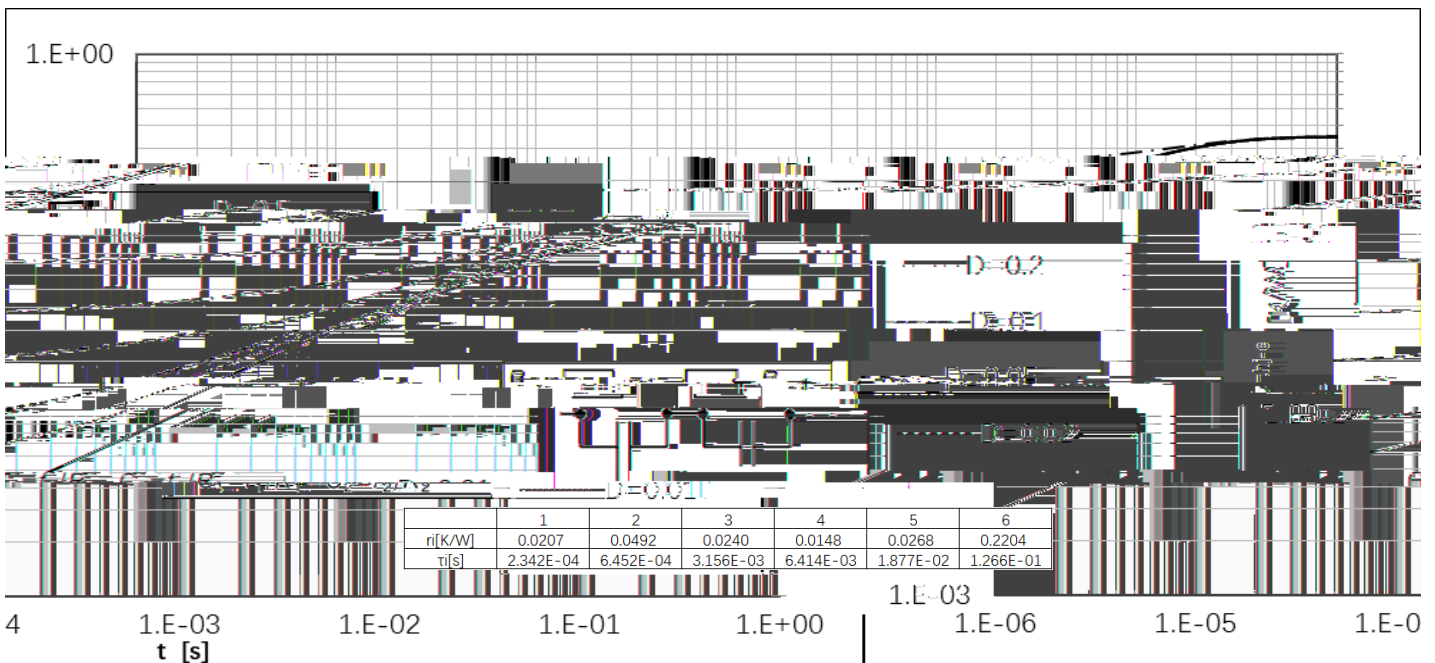


Fig18. Diode forward voltage as a function of junction temperature



9. IGBT Transient Thermal Impedance

Fig 1

