



DGW25N120CTL

Electrical Characteristics of the IGBT

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Static						

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Dynamic						



DGW25N120CTL

Electrical Characteristics of the Diode

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Static						

Switching Characteristic, Inductive Load

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Dynamic , at $T_j = 25$						
Dynamic , at $T_j = 125$						
Dynamic , at $T_j = 150$						



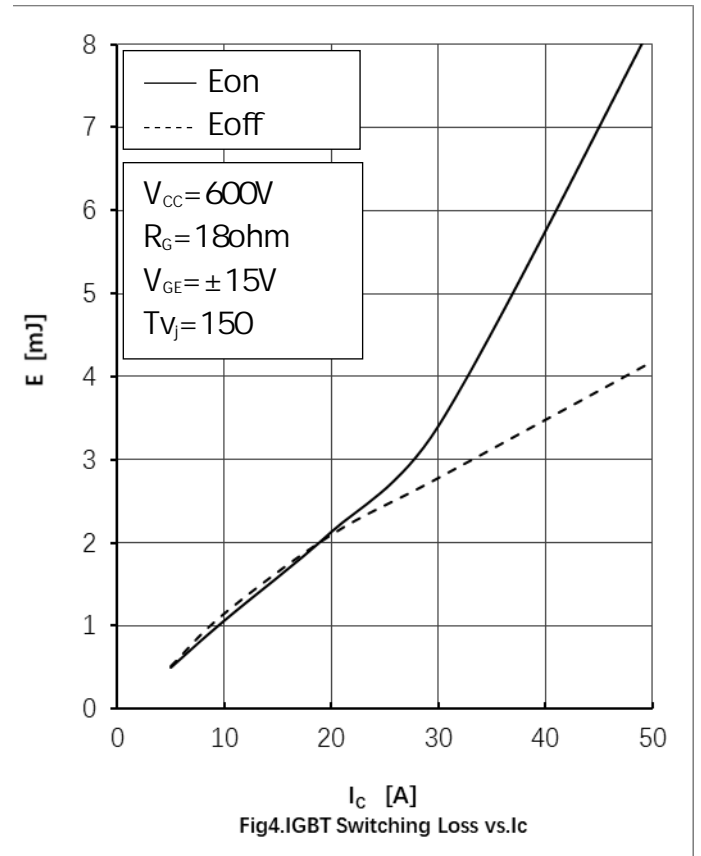
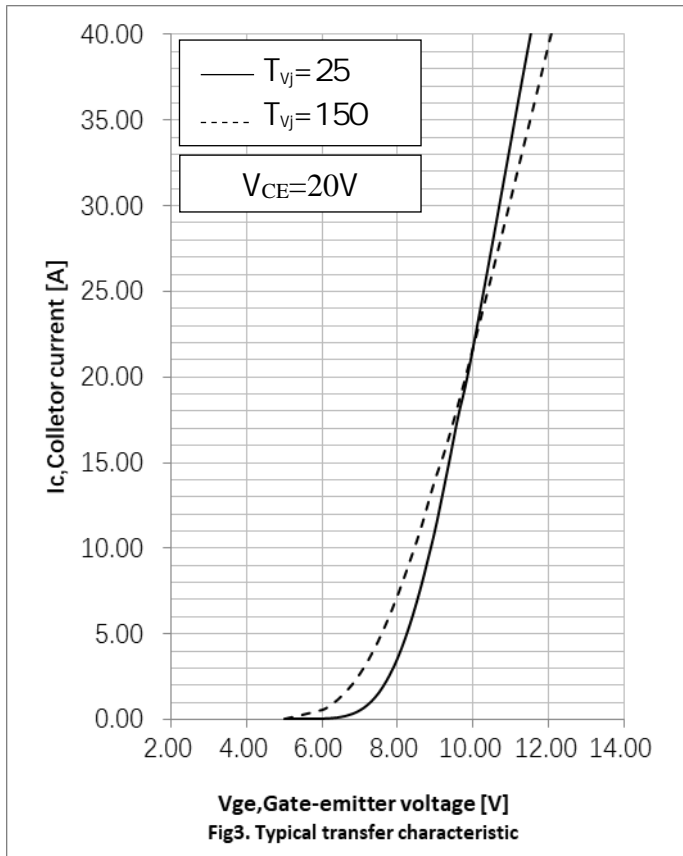
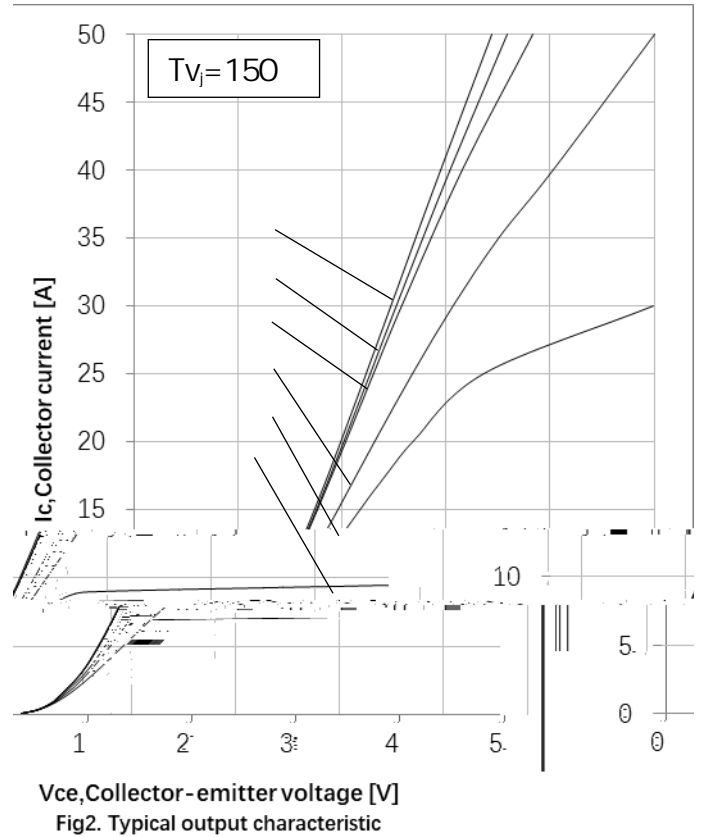
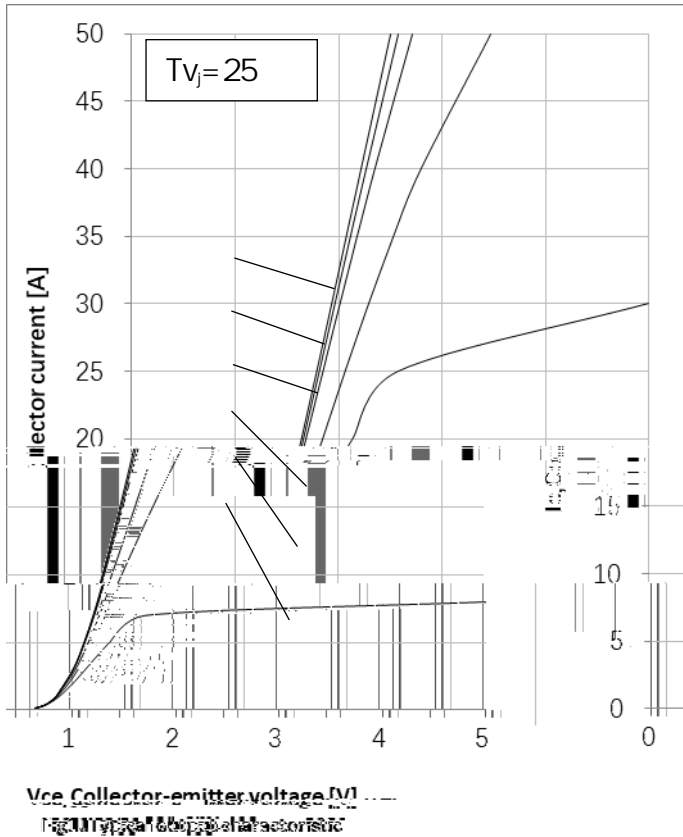
DGW25N120CTL

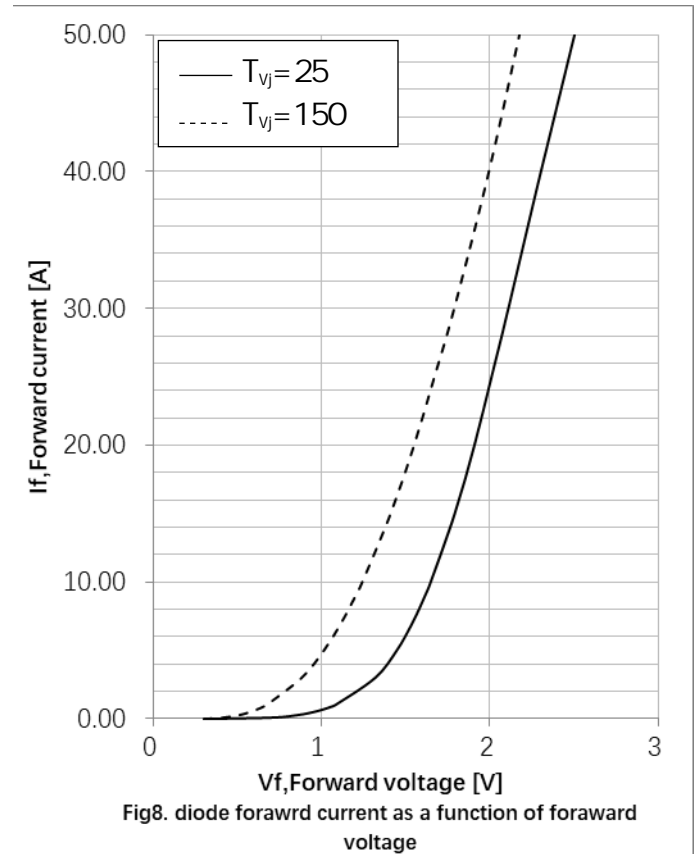
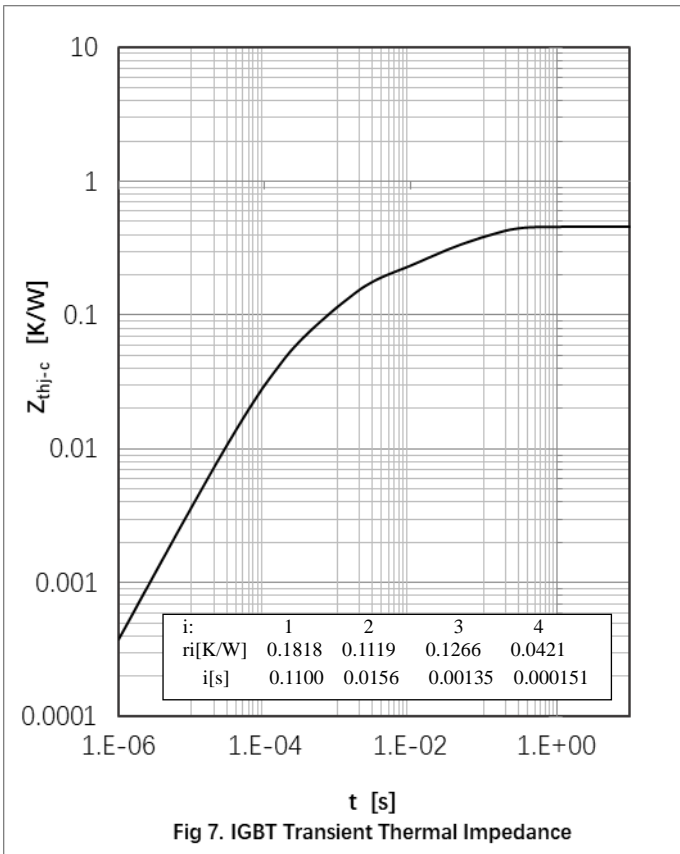
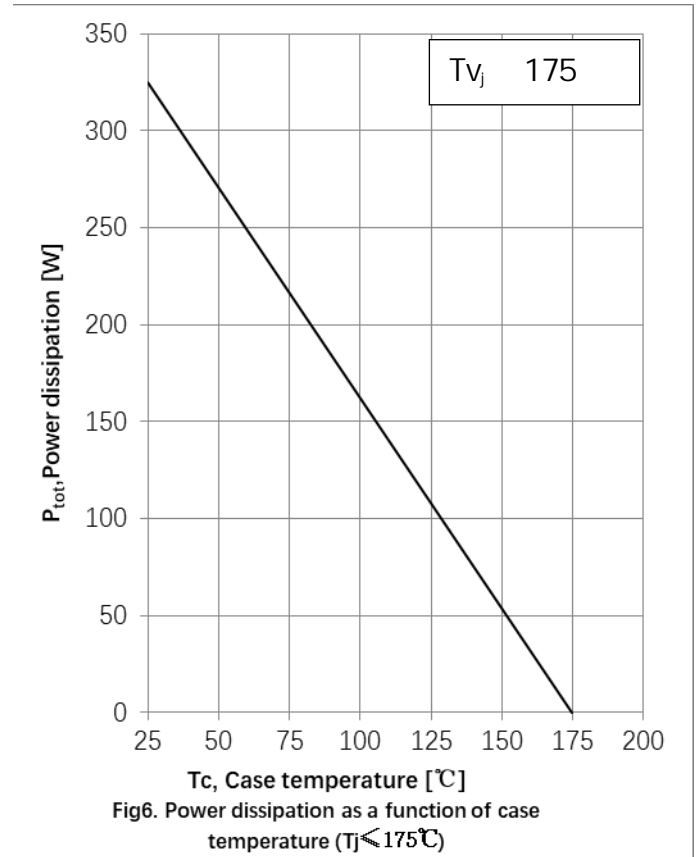
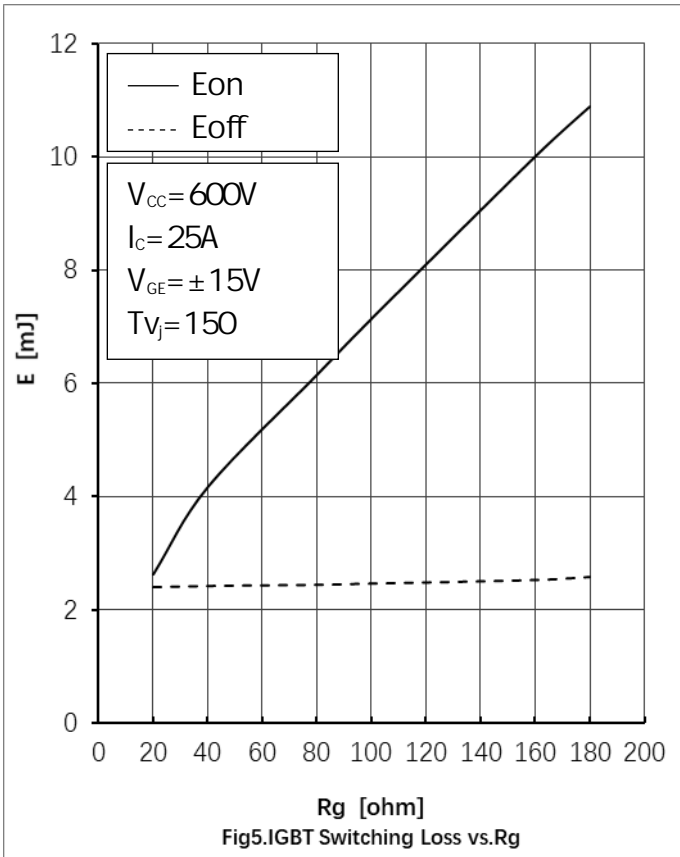
Electrical Characteristics of the DIODE

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Dynamic , at $T_j = 25$						



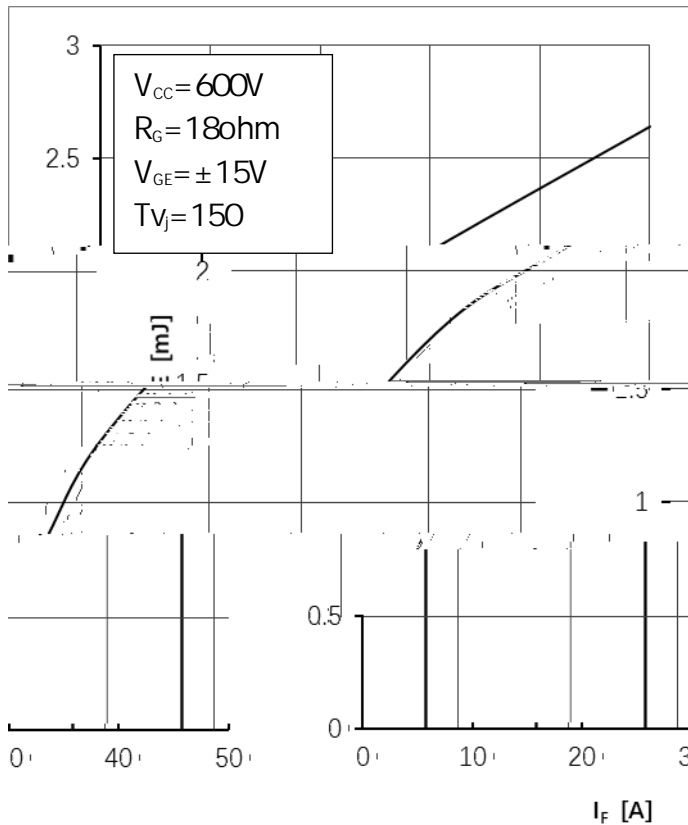
DGW25N120CTL







DGW25N120CTL



s(Erec) vs. If

Fig9.Diode Switching Loss

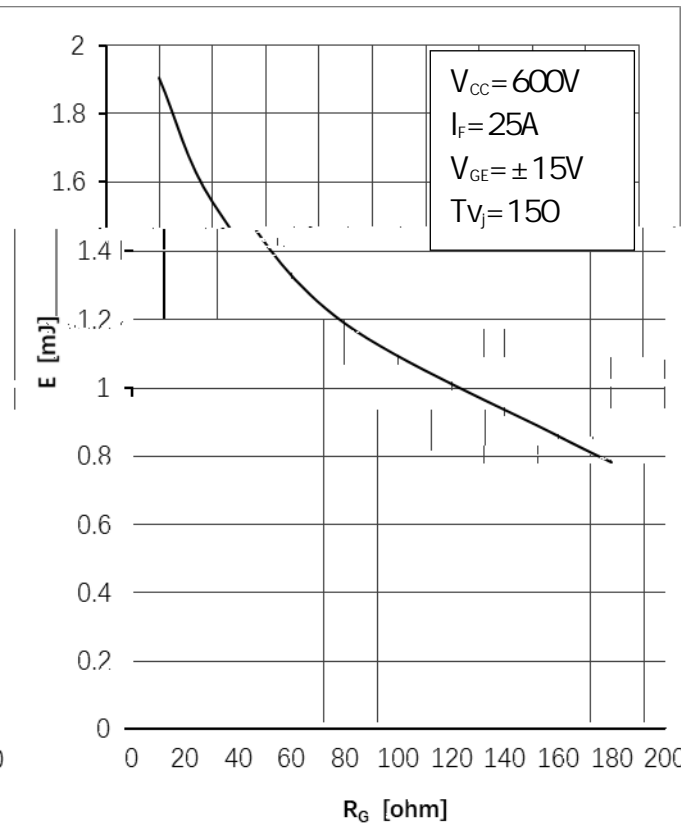


Fig10.Diode Switching Loss(Erec) vs.Rg

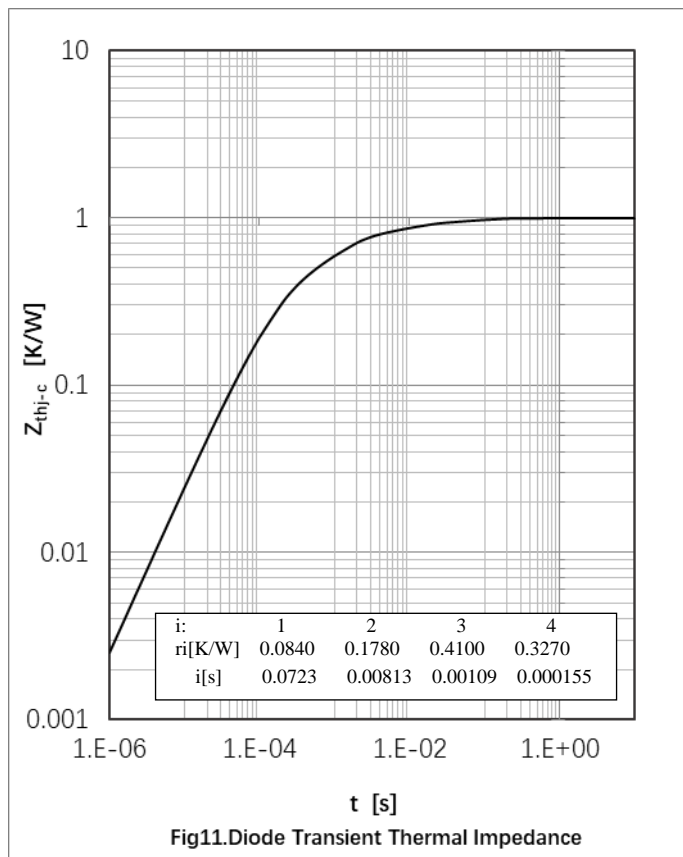
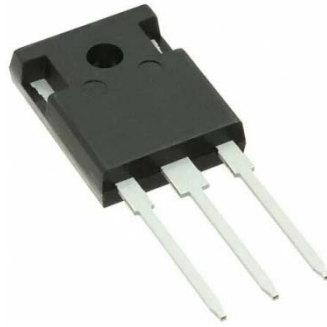
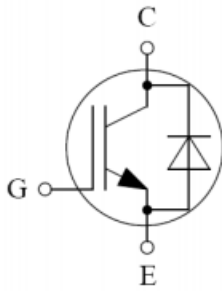


Fig11.Diode Transient Thermal Impedance

Circuit Diagram



Package Outline Information

CASE: TO 247

