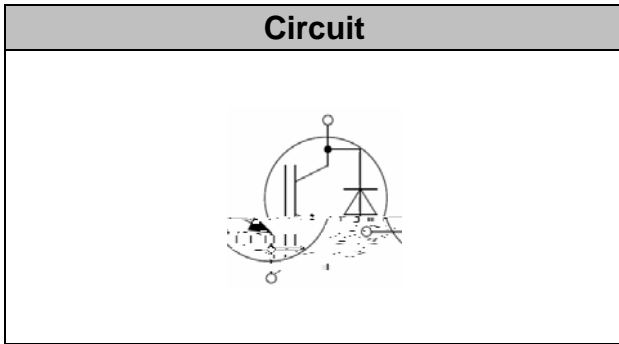


IGBT Discrete

V_{CE}	1200	V
I_C	25	A
$V_{CE(SAT)}$ $I_C=25A$	1.85	V



Applications

- .
- .
- .

Features

- .
- .
- .
- .
- .

Maximum Ratings

Parameter	Symbol	Value	Unit



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

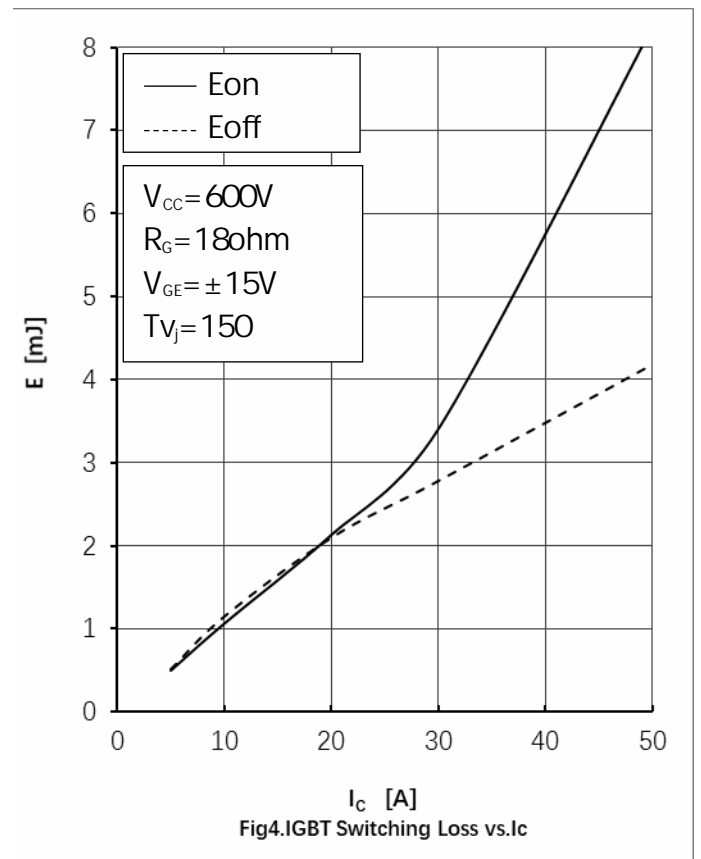
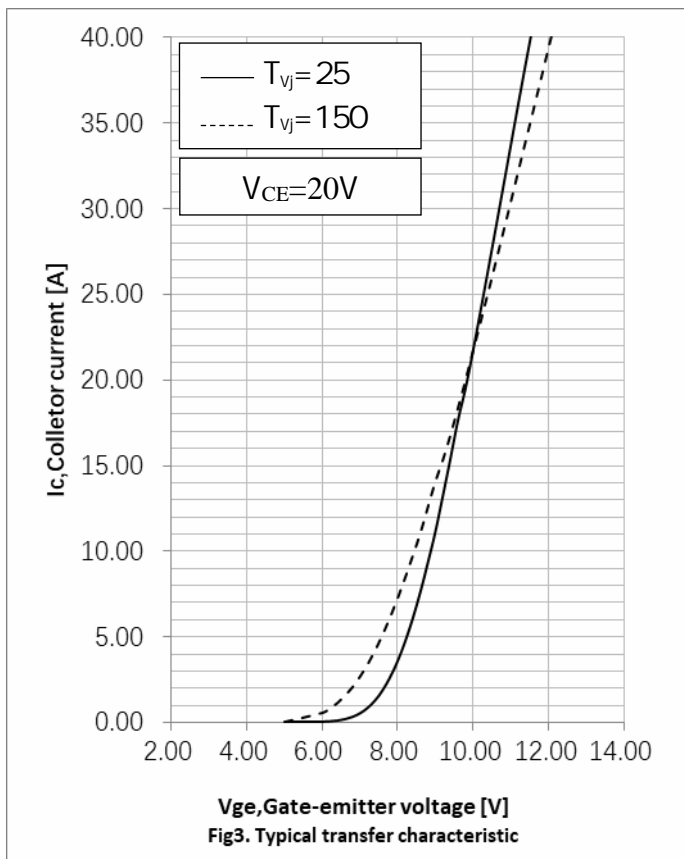
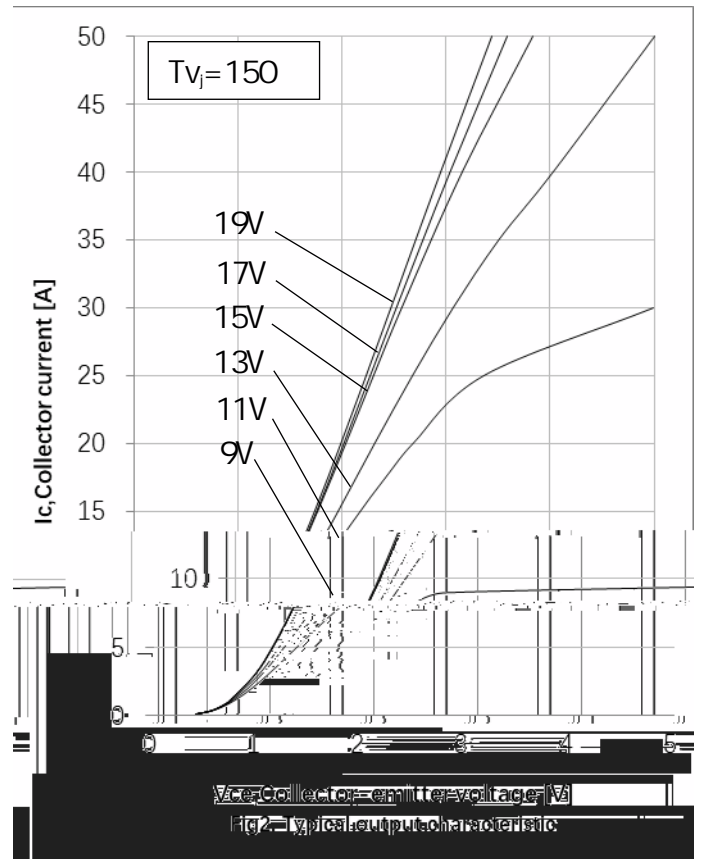
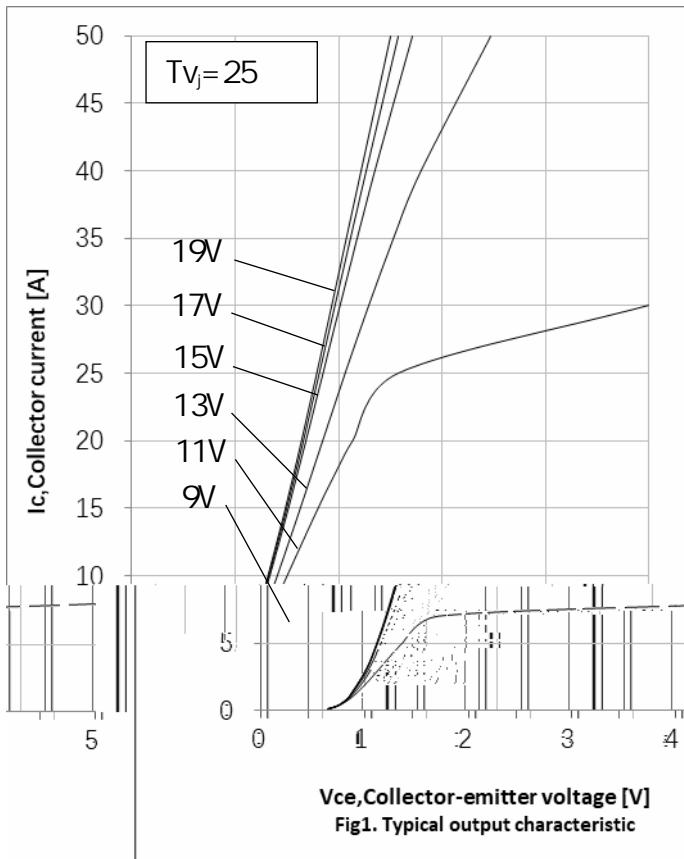
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Dynamic , at T_j= 25						
Dynamic , at T_j= 125						
Dynamic , at T_j= 150						

Thermal Resistance

Parameter	Symbol	Max. Value	Unit

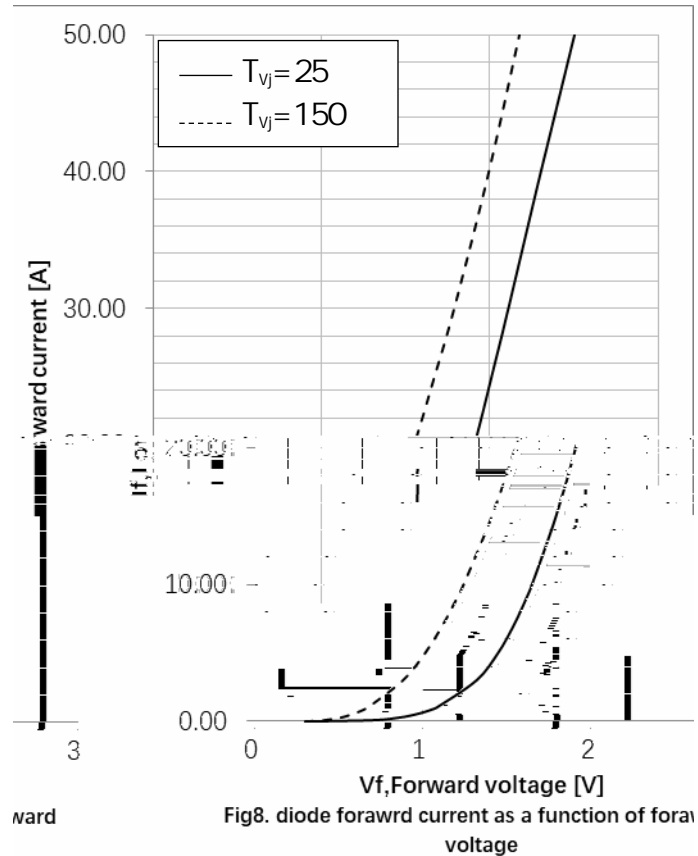
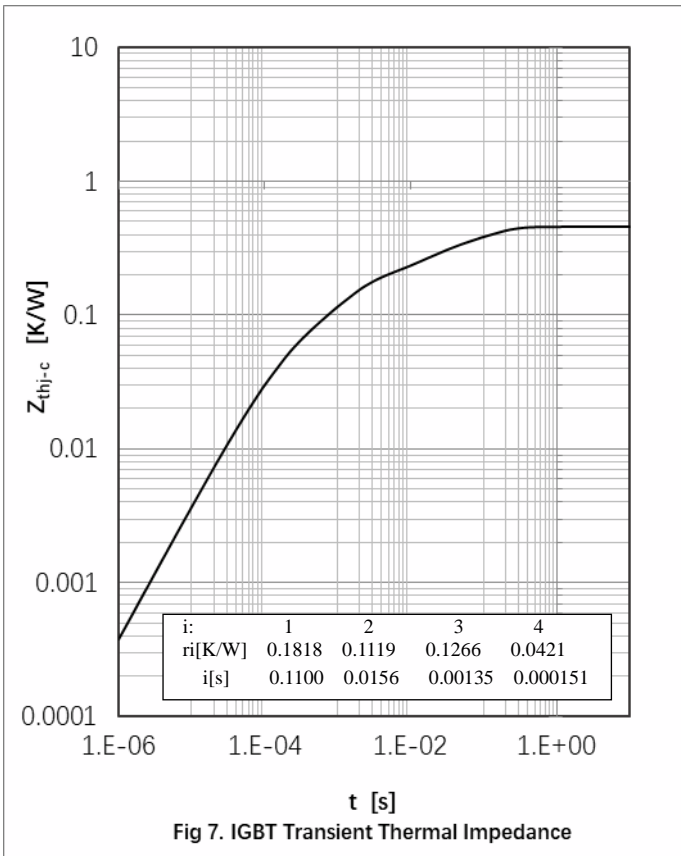
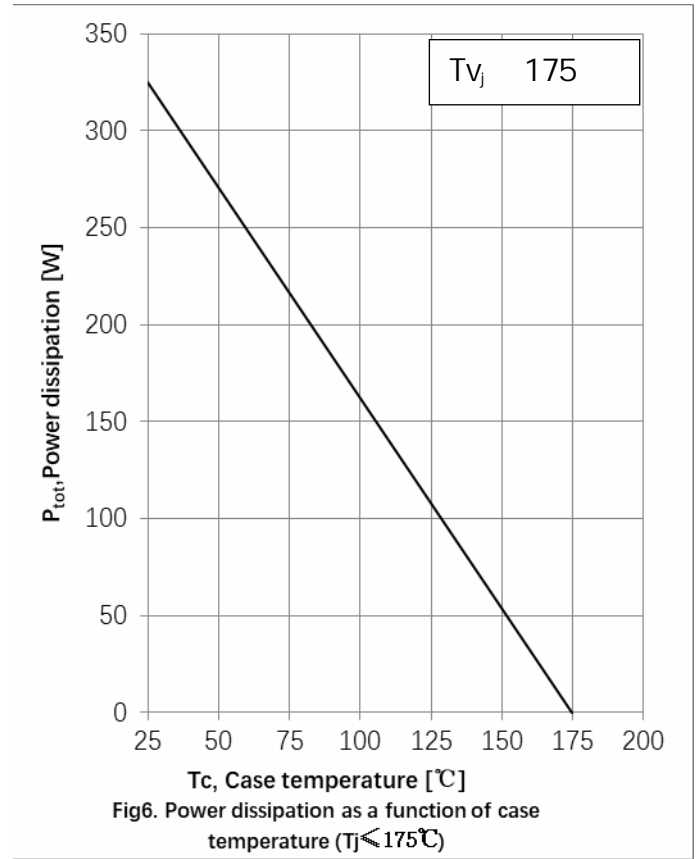
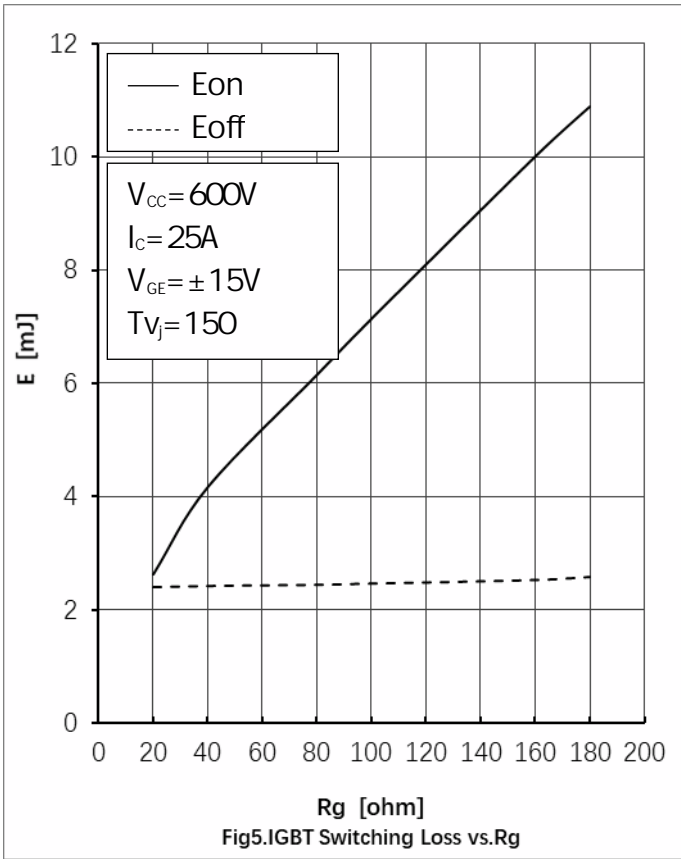


DGW25N120CTL



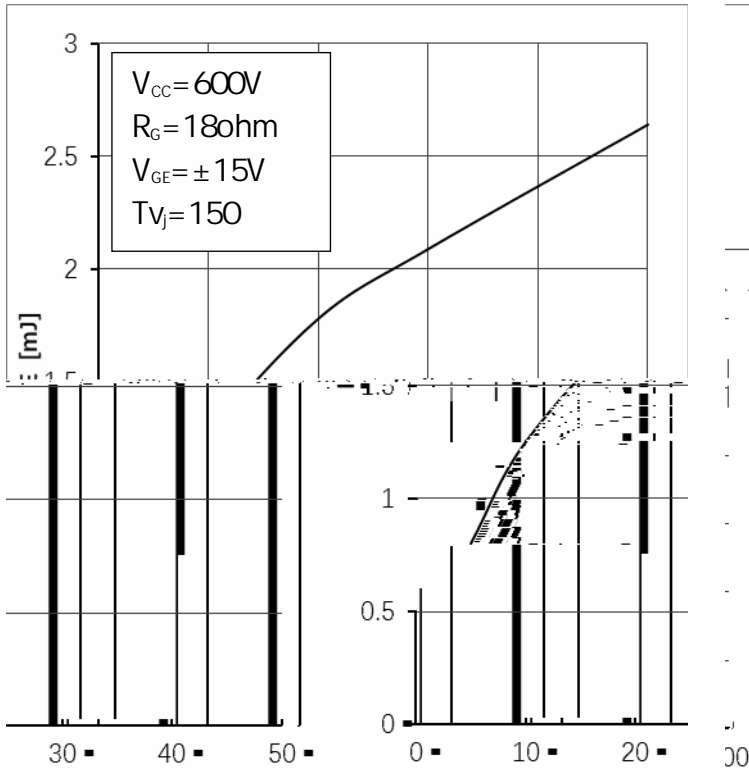


DGW25N120CTL





DGW25N120CTL



a) Fig 9. Diode Switching Loss (Erec) vs. I_F

Fig9. Diode Switching Loss (Erec) vs. I_F

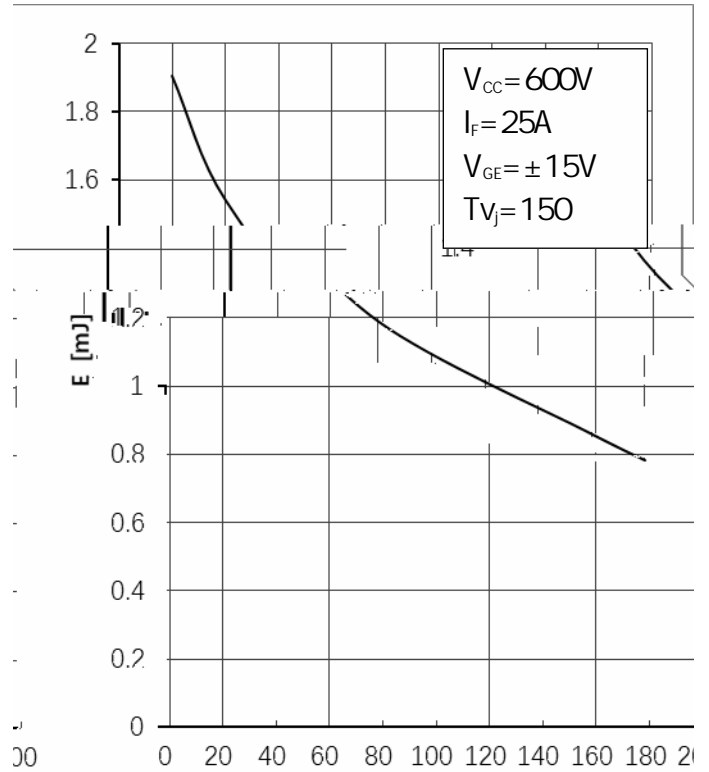


Fig10. Diode Switching Loss (Erec) vs. R_G

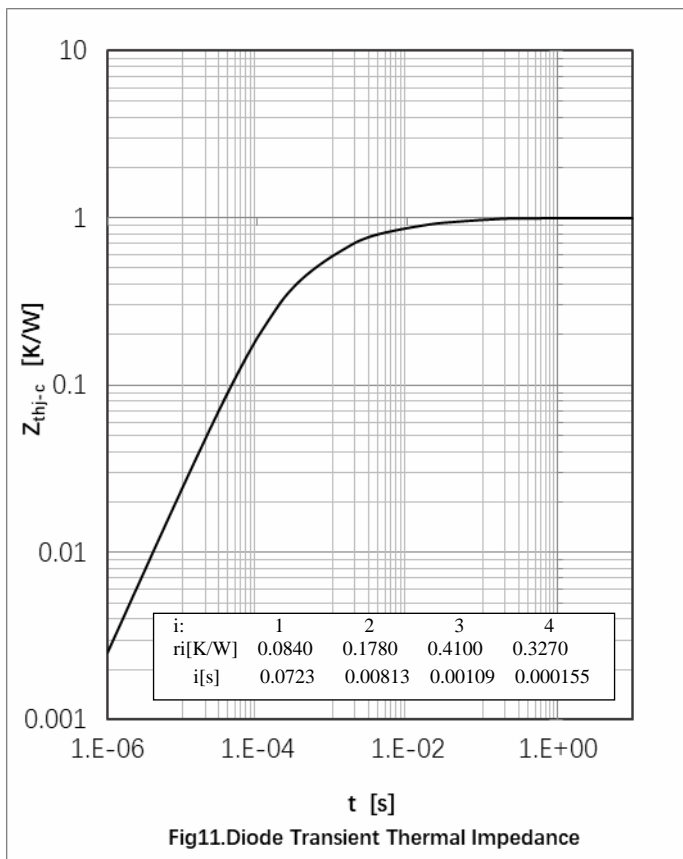


Fig11. Diode Transient Thermal Impedance

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Circuit Diagram

Package Outline Information

CASE: TO 247