





# DGW25N120CTL

## Electrical Characteristics of the IGBT

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
<b>Static</b>						

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
<b>Dynamic</b>						




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## Electrical Characteristics of the Diode

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
<b>Static</b>						

## Switching Characteristic, Inductive Load

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
<b>Dynamic , at T<sub>j</sub>= 25</b>						
<b>Dynamic , at T<sub>j</sub>= 125</b>						
<b>Dynamic , at T<sub>j</sub>= 150</b>						



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## Electrical Characteristics of the DIODE

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Dynamic $t_{rr}$ at $T_j = 25$						



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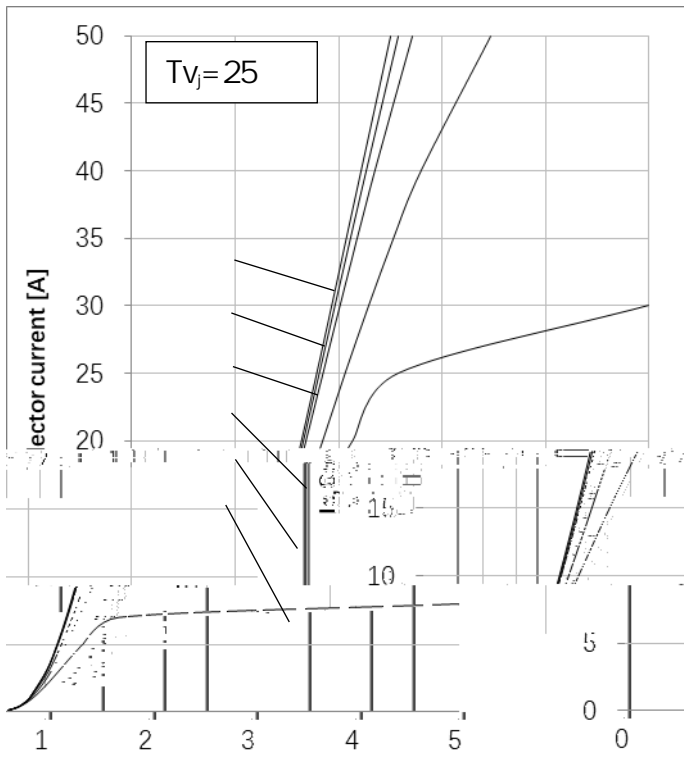


Fig1. Typical output characteristic

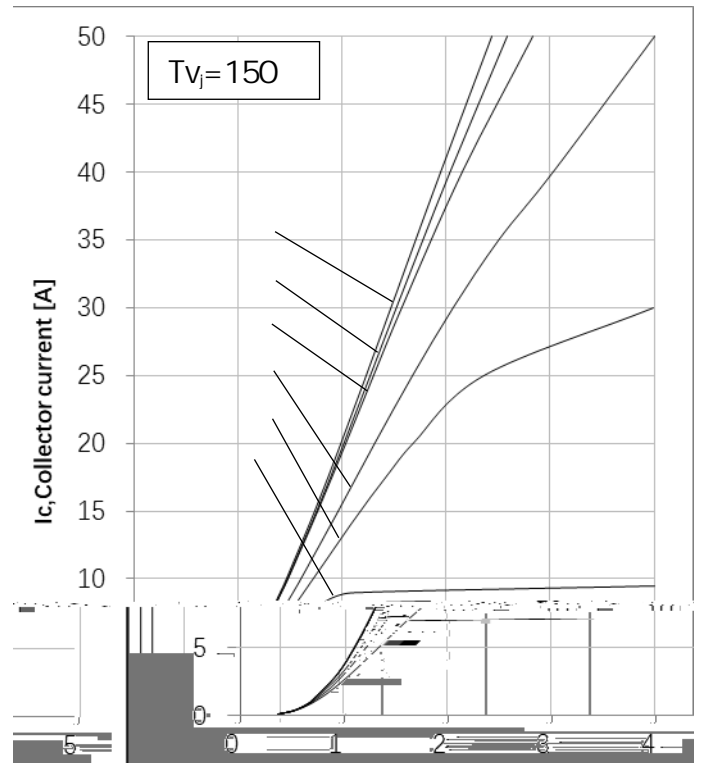


Fig2. Typical output characteristic

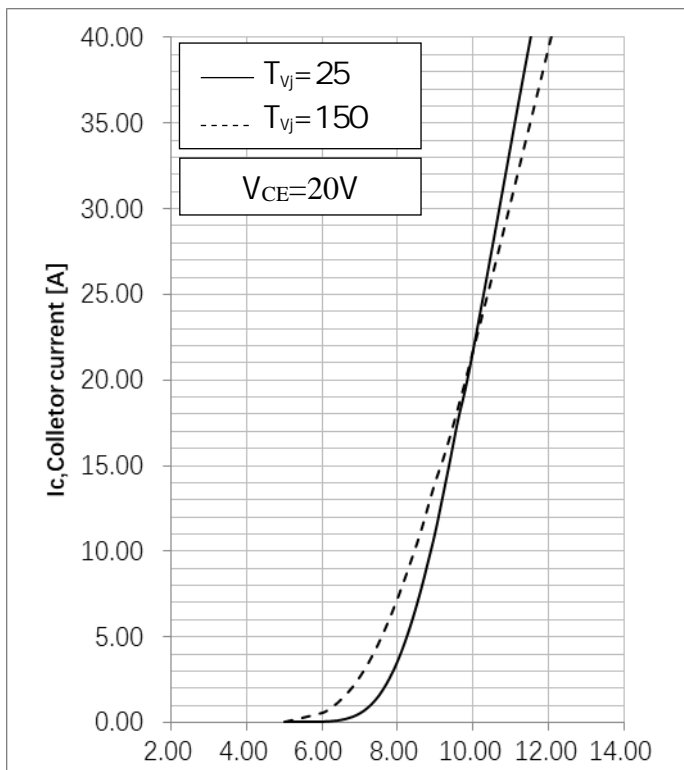


Fig3. Typical transfer characteristic

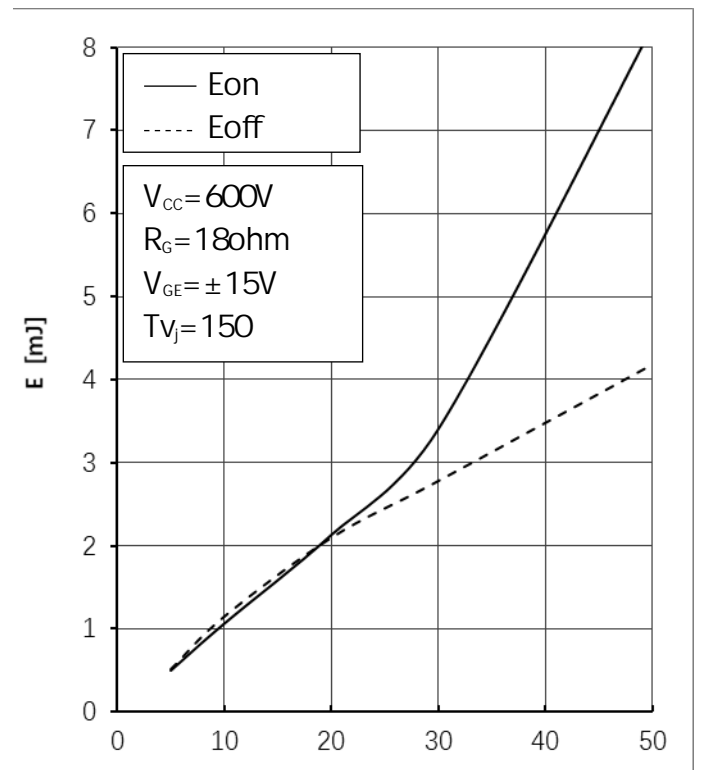
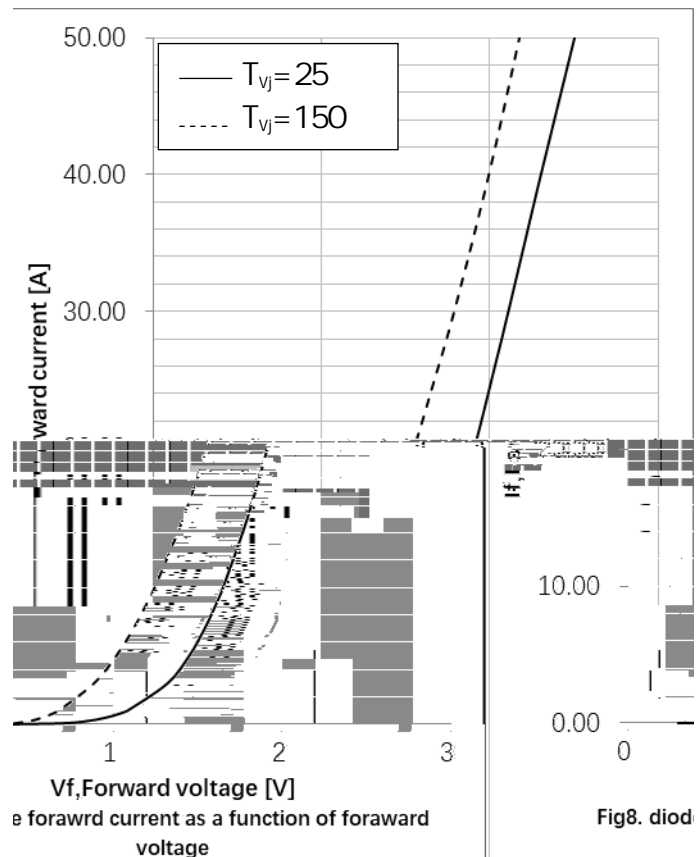
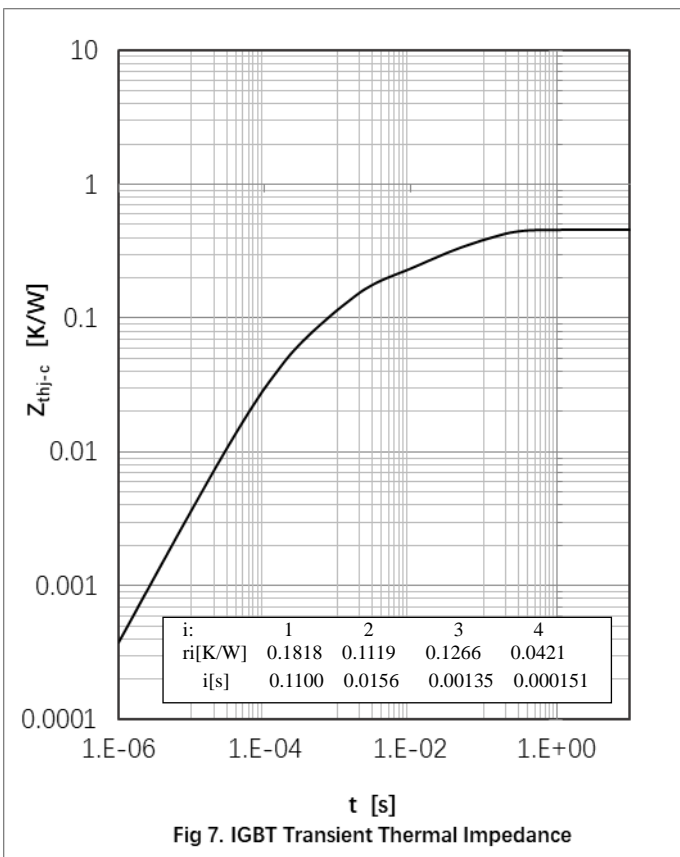
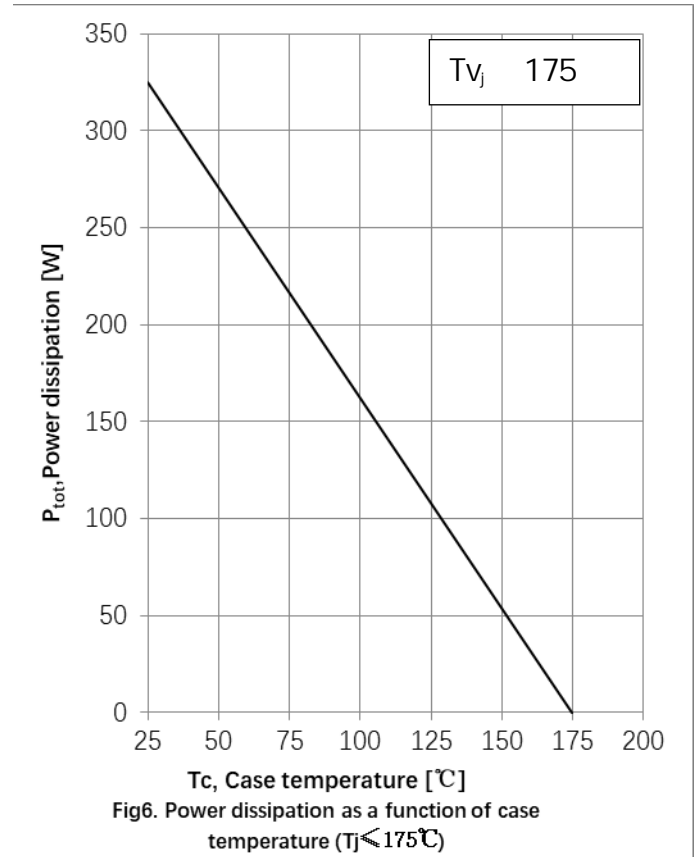
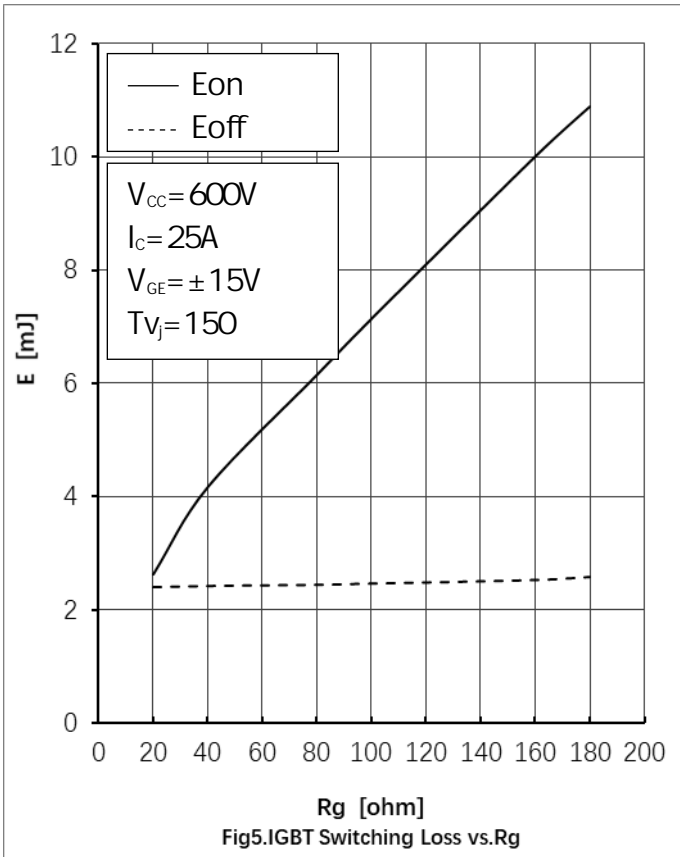


Fig4. IGBT Switching Loss vs. Ic



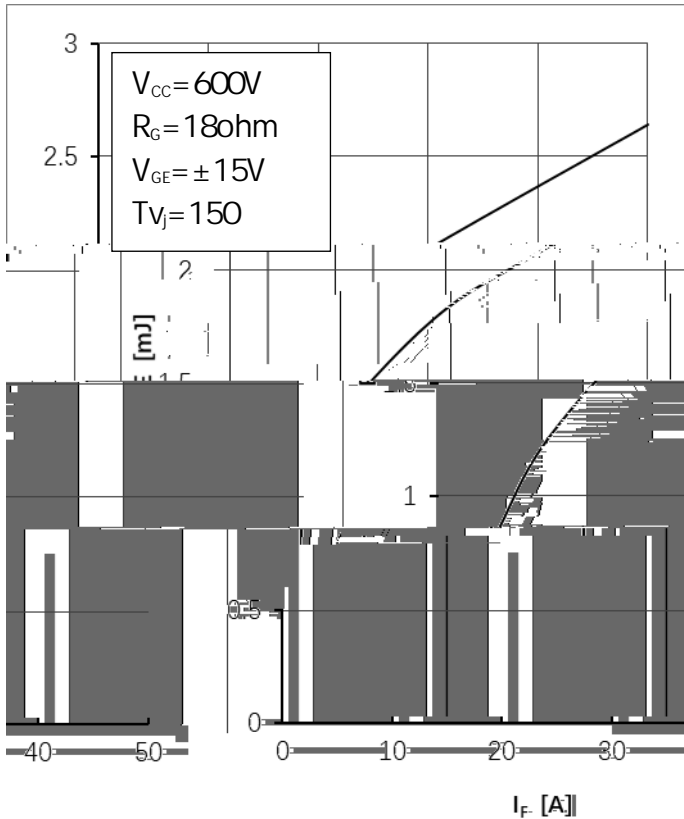


Fig9.Diode Switching Loss(Erec) vs.  $I_F$

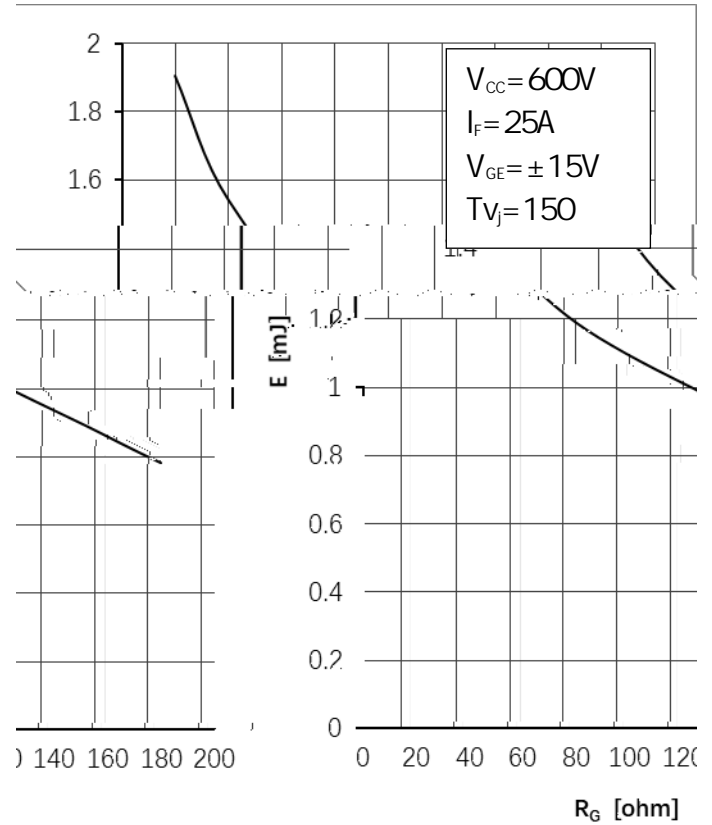


Fig10.Diode Switching Loss (Erec) vs.  $R_G$

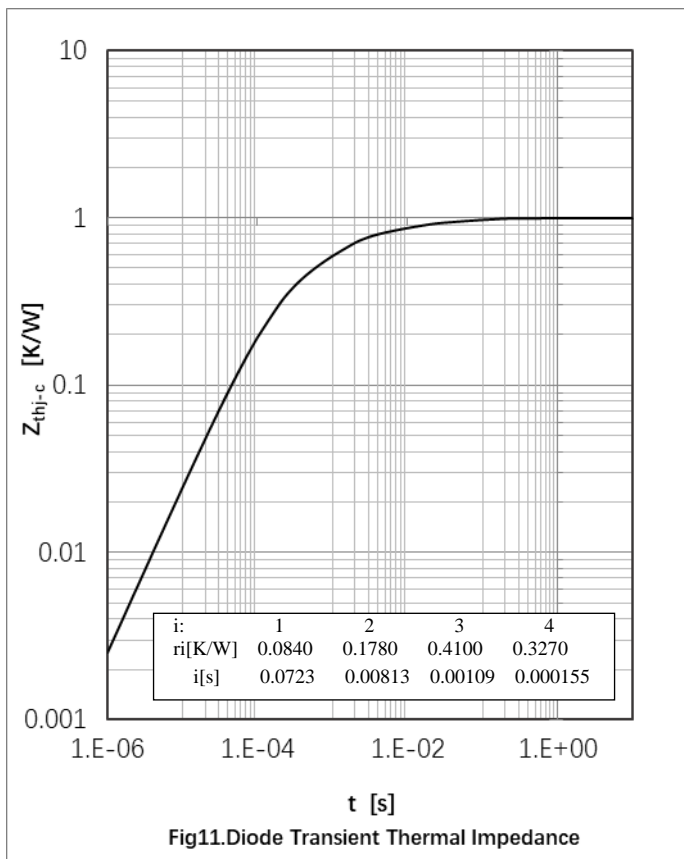
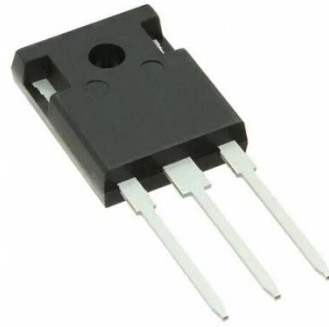
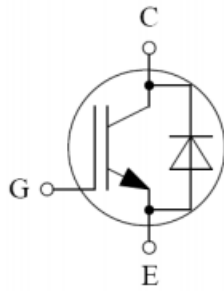


Fig11.Diode Transient Thermal Impedance



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## Circuit Diagram



## Package Outline Information

CASE: TO 247

