1350V N-Channel Enhancement

RATINGS AND CHARACTERISTIC CURVES

Fig. 1 Output characteristic V_{CE} vs. I_C at 25°C

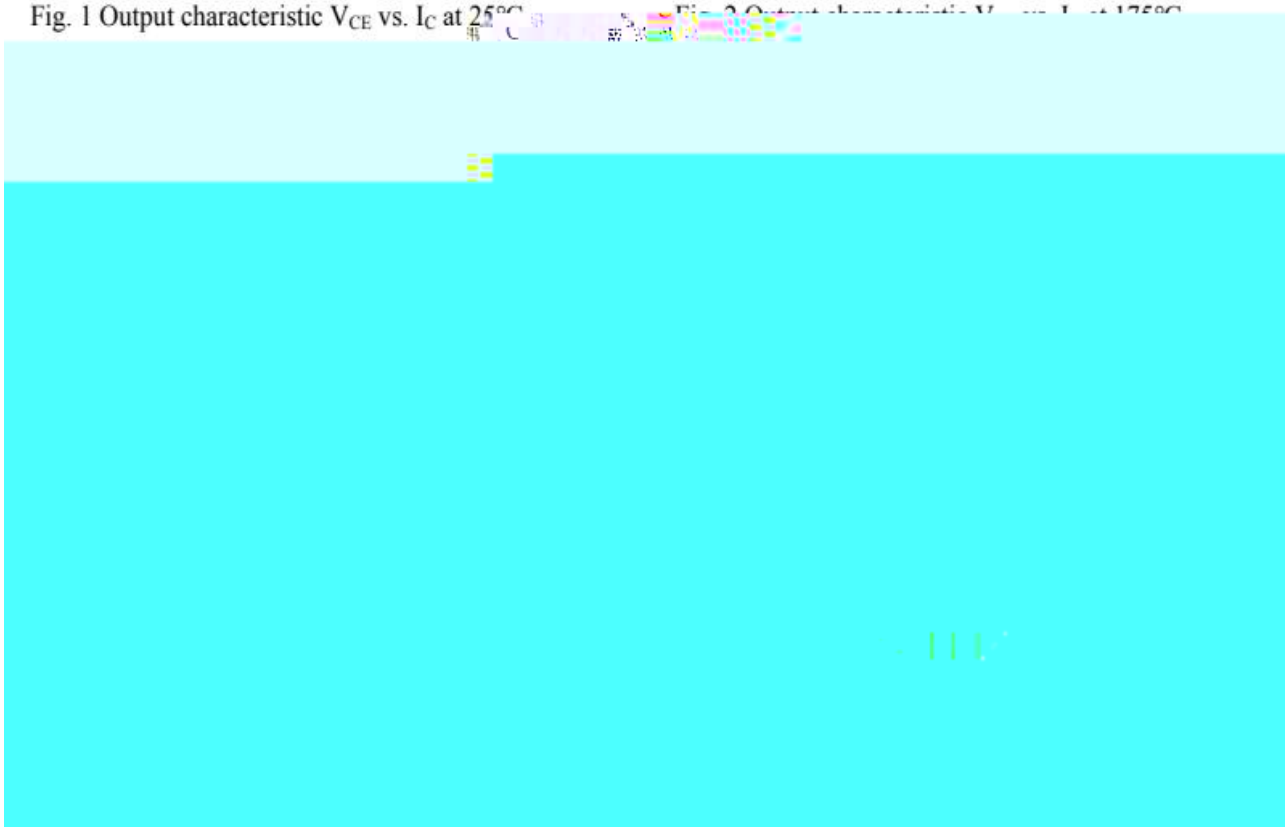

Fig. 3 Transfer characteristic V_{GE} vs. I_C

Fig. 4 Collector-emitter saturation voltage as a function of junction temperature V_{CEsat} vs. T_j

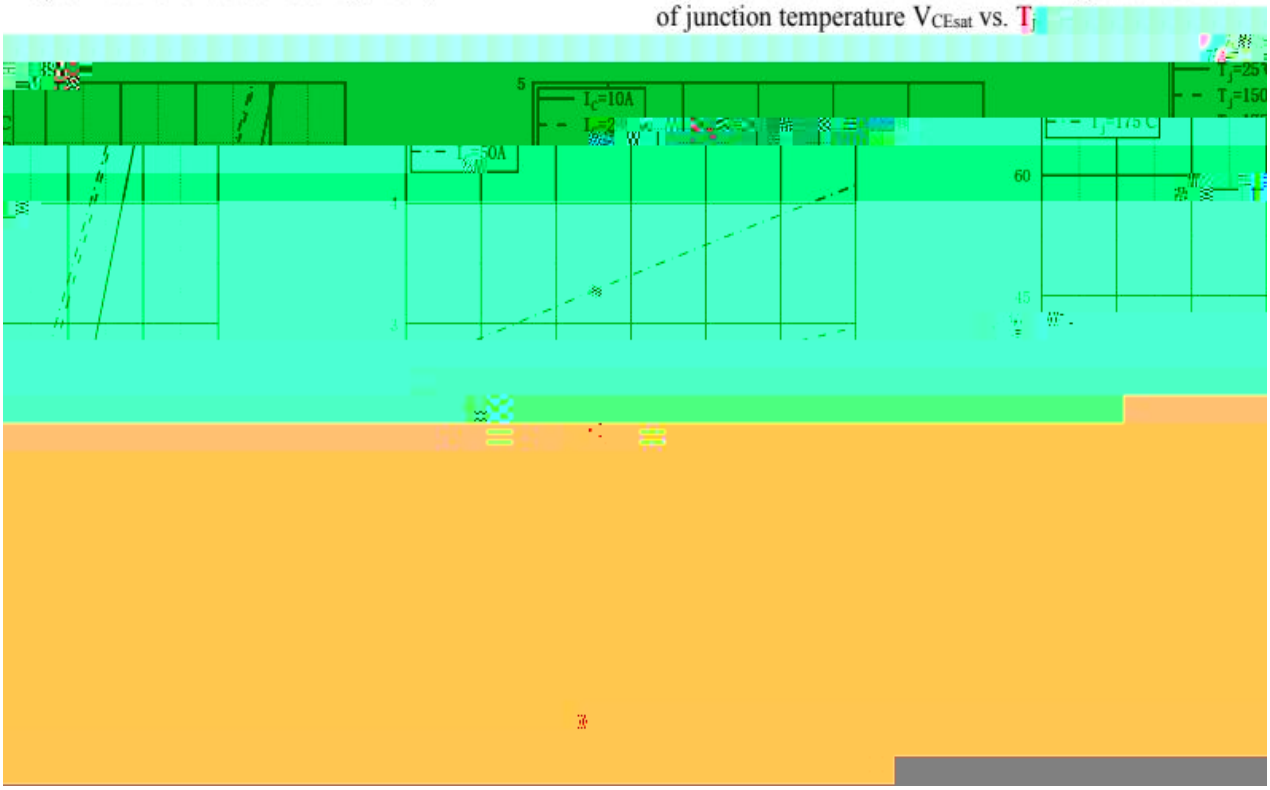

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Fig. 5 Gate-emitter threshold voltage as a function of junction temperature $V_{GE(th)}$ vs. T_j

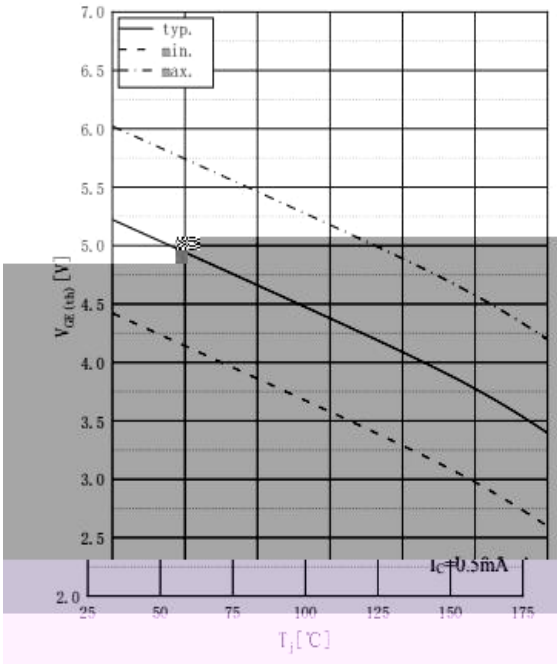

Fig. 6 Gate charge Q_G

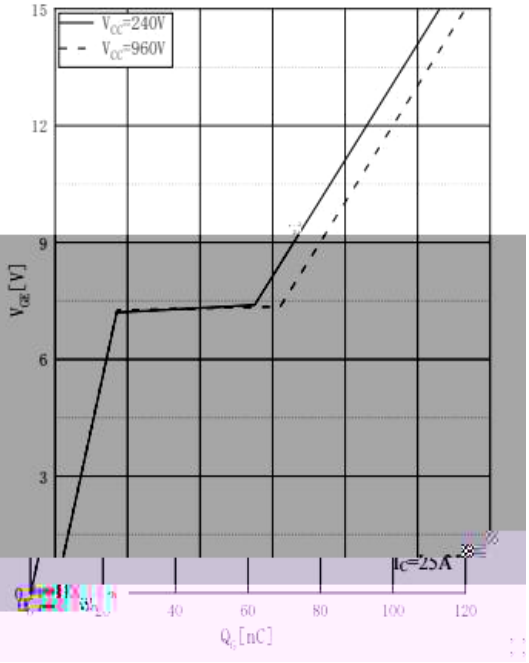

Fig. 7 Capacitance characteristic



Fig. 8 Diode forward current as a function of forward voltage V_F vs. I_F

RATINGS AND CHARACTERISTIC CURVES

Fig. 9 Diode forward voltage as a function of junction temperature V_F vs. T_j

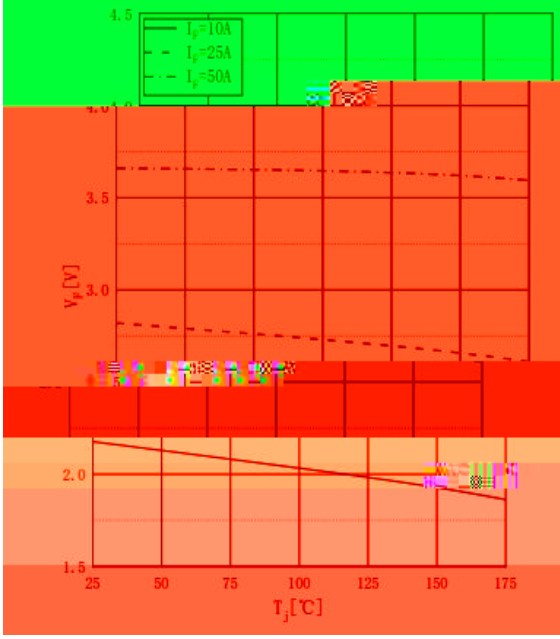

Fig. 10 Switching times vs. Col

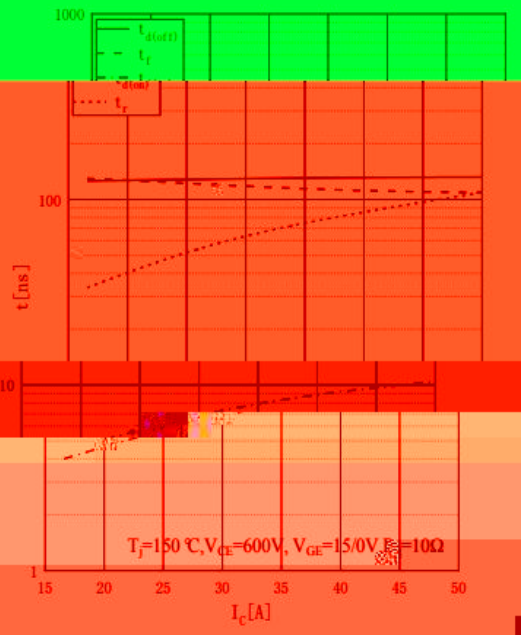

Fig. [illegible] ching times vs. Ga[illegible]

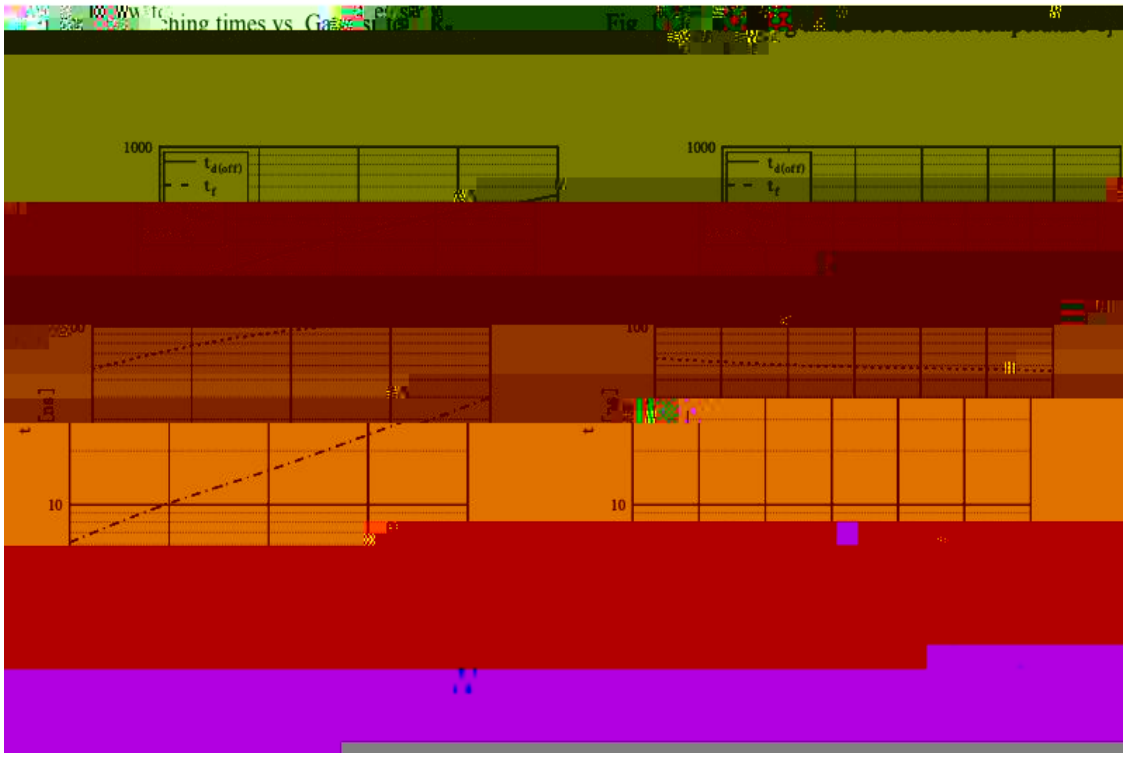

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Fig. 13 Switching energy loss vs. Collector current I_C

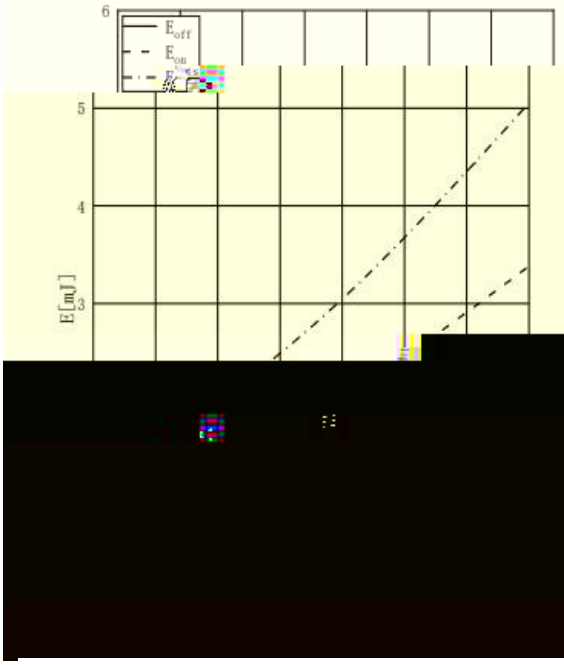

Fig. 14 Switching energy loss vs. Gate resistor R_g

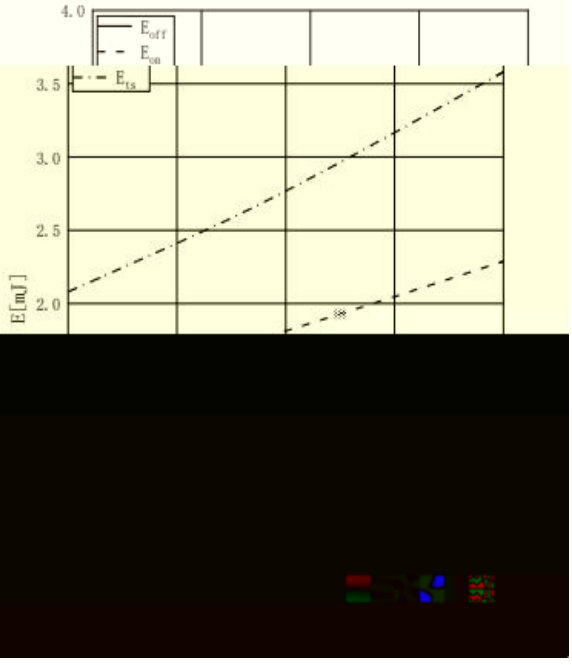

Fig. 15 Switching energy loss vs. Junction temperature

Fig. 16 Reverse recovery energy as a function of diode



RATINGS AND CHARACTERISTIC CURVES

Fig. 17 Reverse recovery times as a functio

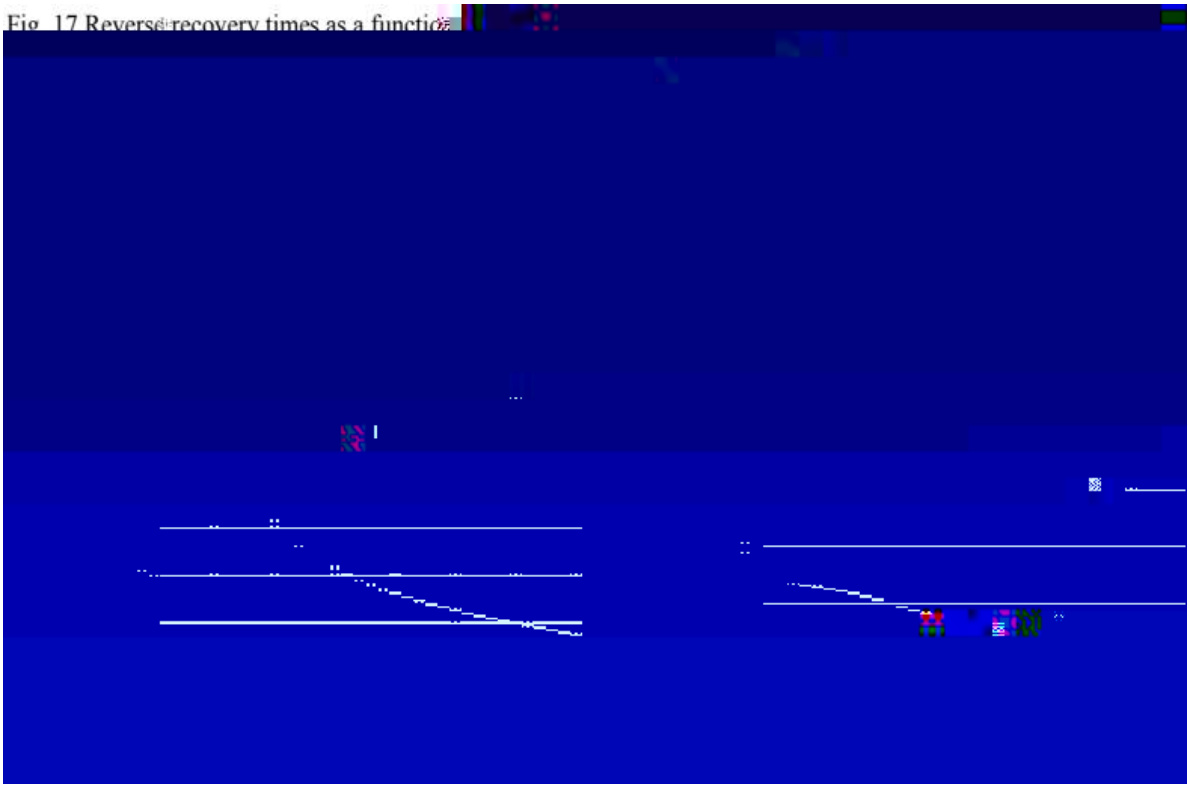

Fig. 19 Reverse recovery current as a function of diode current slope I_{rr} vs. di_F/dt

Fig. 20 Power dissipation as a function of case tempe

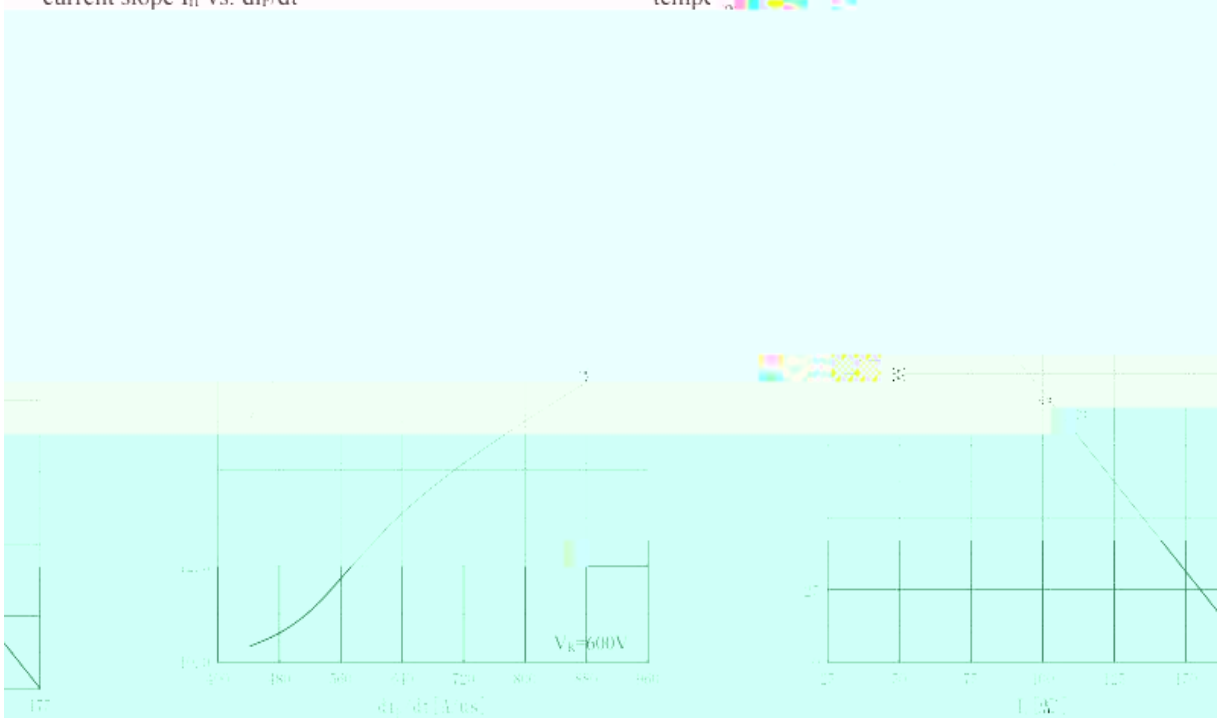

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Fig. 21 FBSOA characteristic

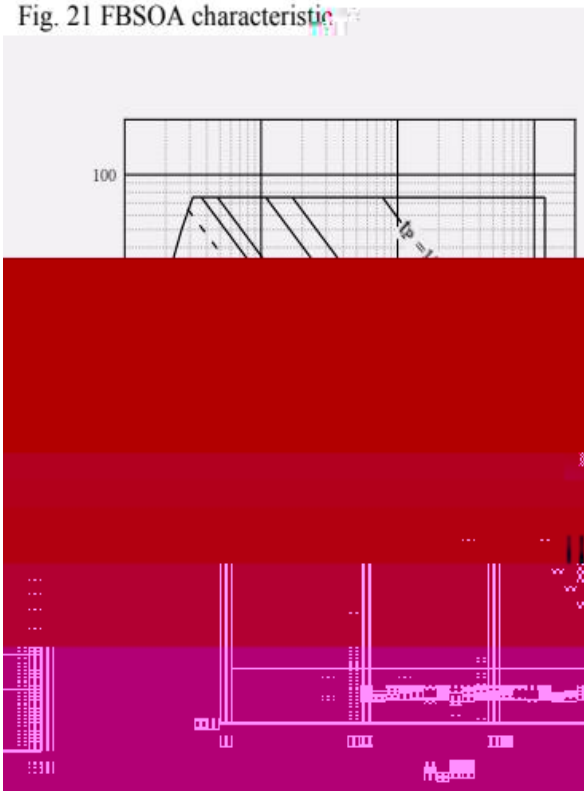


Fig. 22 IGBT transient thermal impedance Z_{thjc}

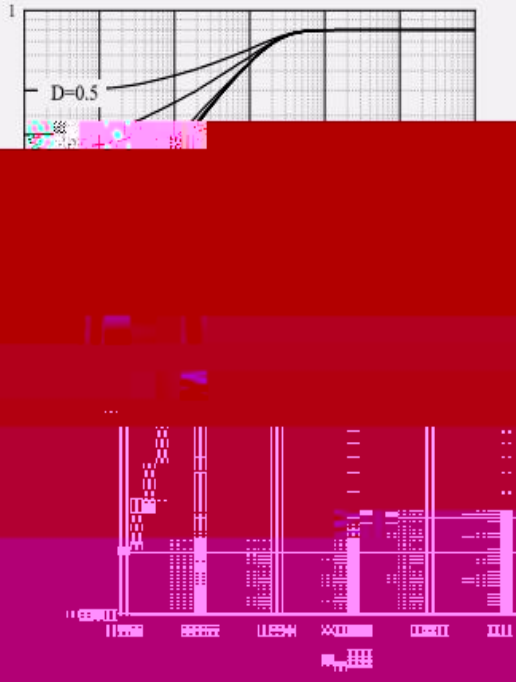
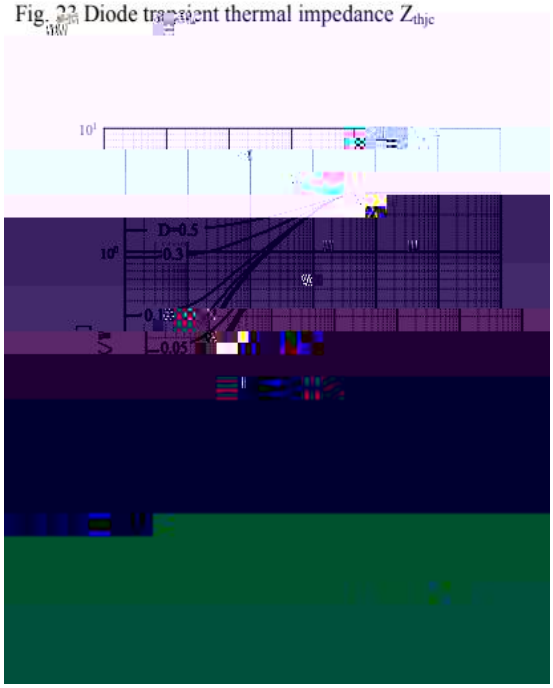


Fig. 23 Diode transient thermal impedance Z_{thjc}



Marking Diagram

