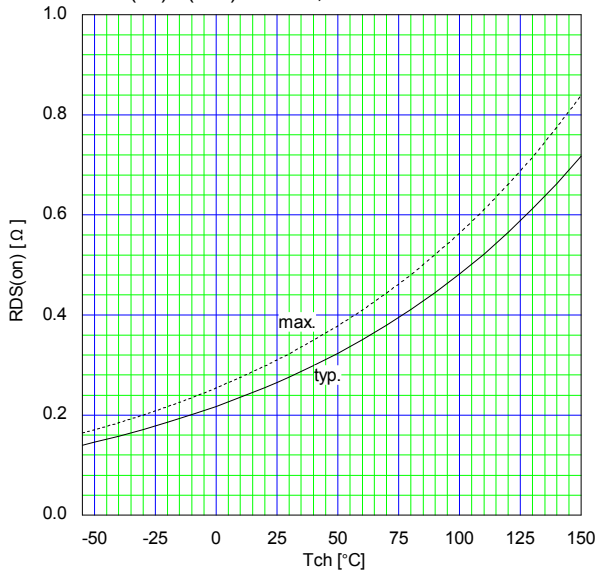
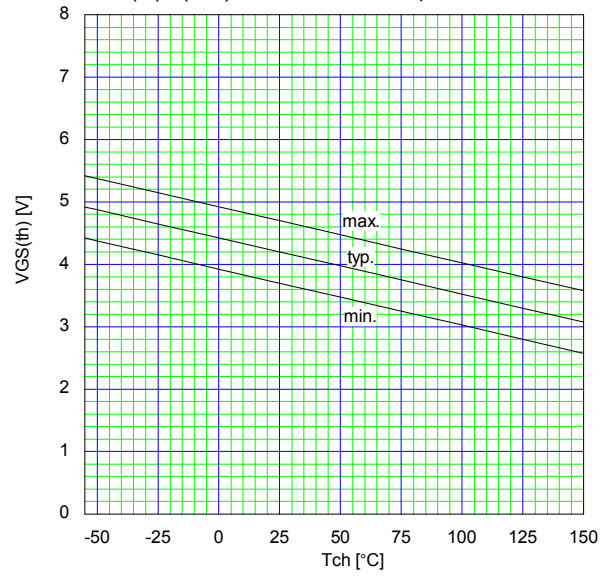


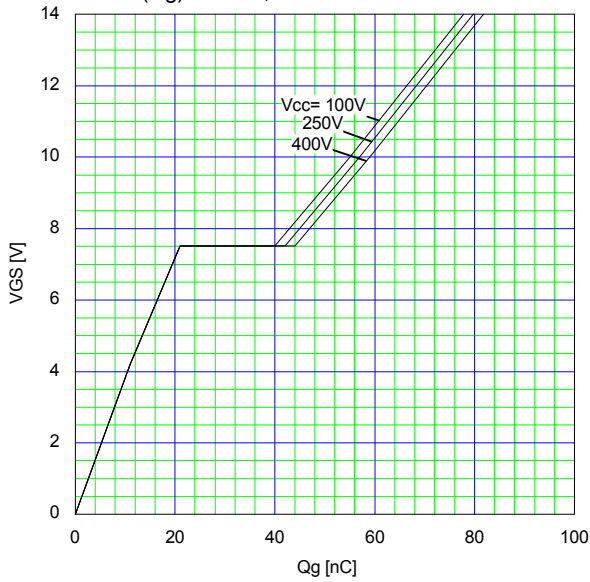
Drain-Source On-state Resistance  
 $R_{DS(on)}=f(T_{ch}):I_D=10A, V_{GS}=10V$



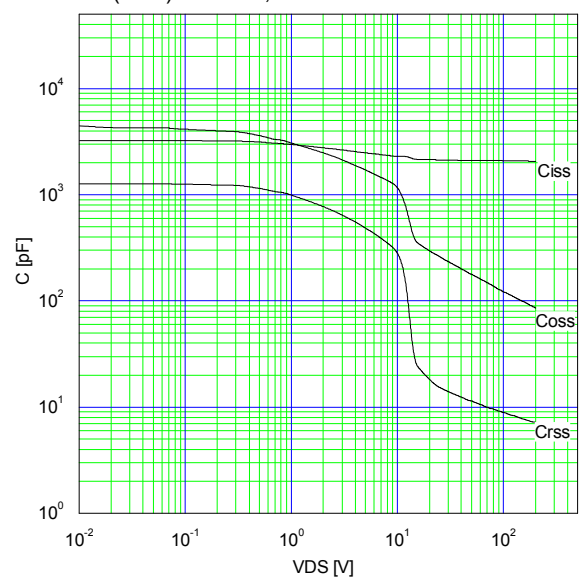
Gate Threshold Voltage vs. T<sub>ch</sub>  
 $V_{GS(th)}=f(T_{ch}):V_{DS}=V_{GS}, I_D=250\mu A$



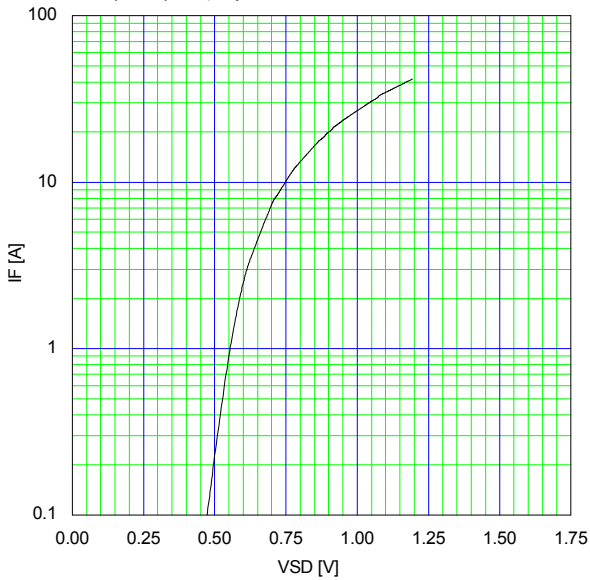
Typical Gate Charge Characteristics  
 $V_{GS}=f(Q_g):I_D=20A, T_{ch}=25\text{ }^\circ\text{C}$



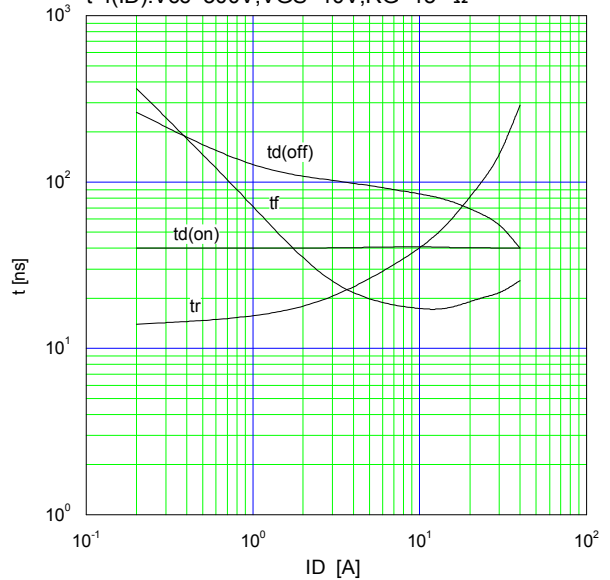
Typical Capacitance  
 $C=f(V_{DS}):V_{GS}=0V, f=1\text{MHz}$

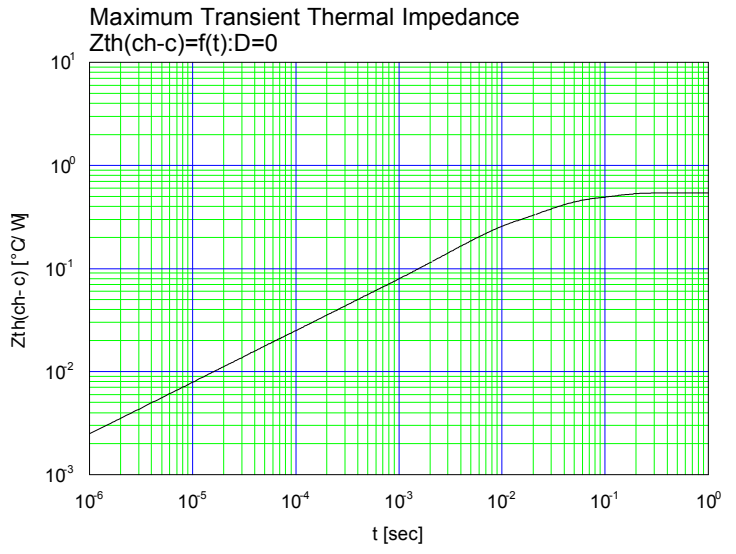
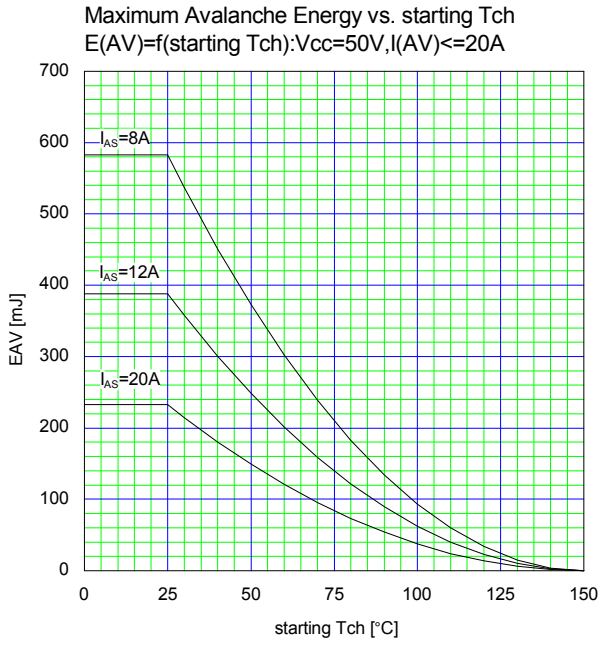


Typical Forward Characteristics of Reverse Diode  
 $I_F=f(V_{SD}):80\text{ }\mu\text{s pulse test}, T_{ch}=25\text{ }^\circ\text{C}$



Typical Switching Characteristics vs. I<sub>D</sub>  
 $t=f(I_D):V_{cc}=300V, V_{GS}=10V, R_G=15\text{ }\Omega$





**WARNING**

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  - Traffic-signal control equipment                      • Gas leakage detectors with an auto-shut-off feature
  - Emergency equipment for responding to disasters and anti-burglary devices                      • Safety devices
  - Medical equipment
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