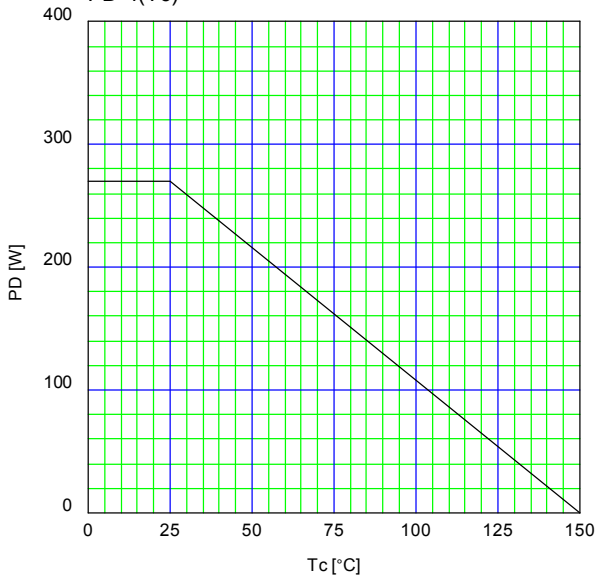
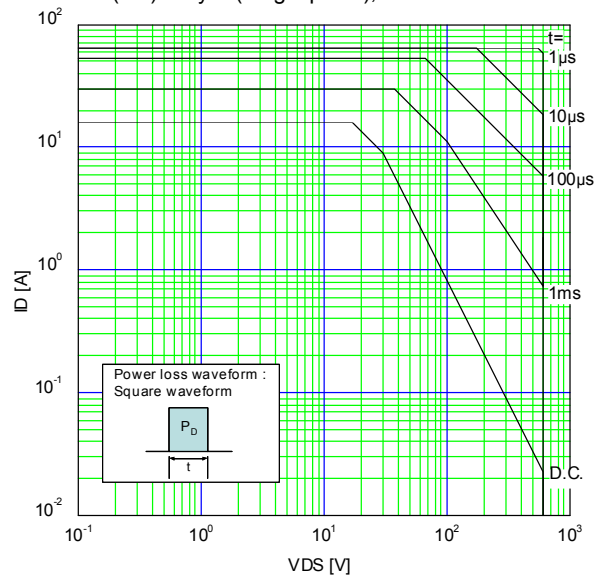


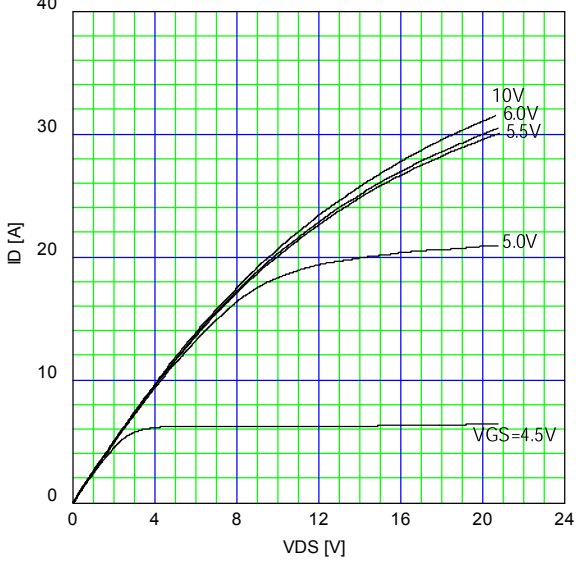
Allowable Power Dissipation
 $PD=f(Tc)$



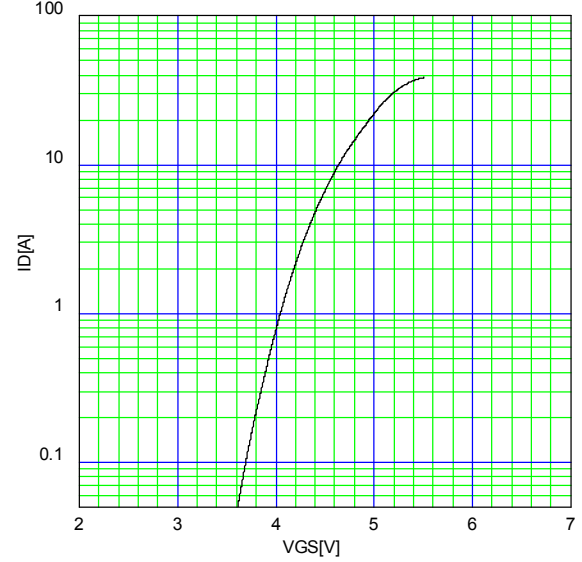
Safe Operating Area
 $I_b=f(V_{DS}):Duty=0(\text{Single pulse}),T_c=25^\circ\text{C}$



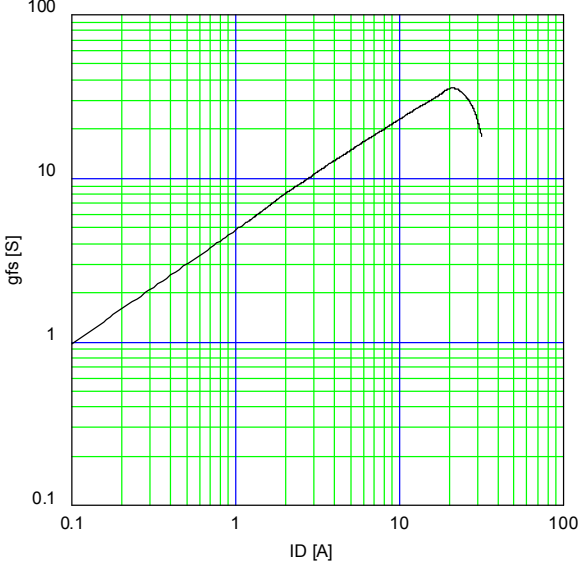
Typical Output Characteristics
 $I_D=f(V_{DS}):80\mu\text{s pulse test},T_{ch}=25^\circ\text{C}$



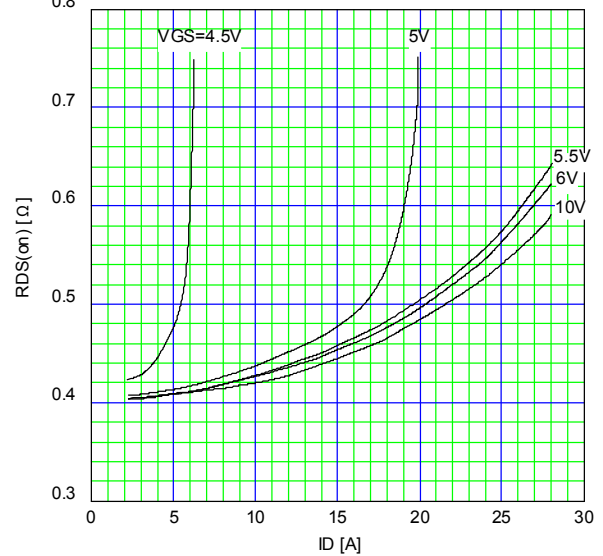
Typical Transfer Characteristic
 $I_D=f(V_{GS}):80\mu\text{s pulse test},V_{DS}=25\text{V},T_{ch}=25^\circ\text{C}$

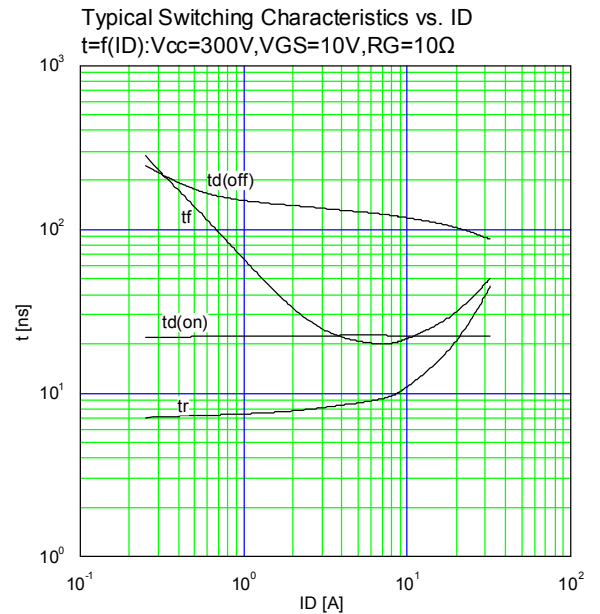
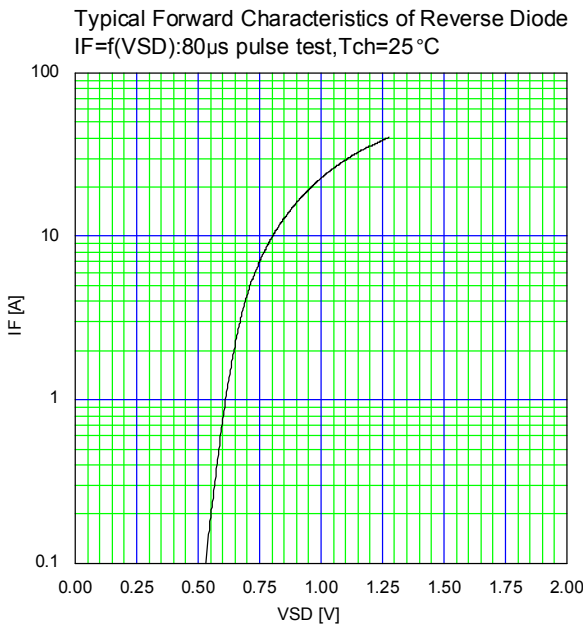
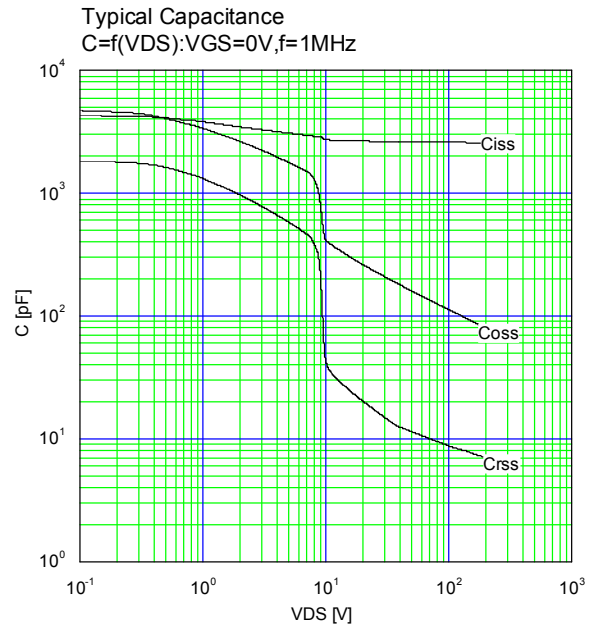
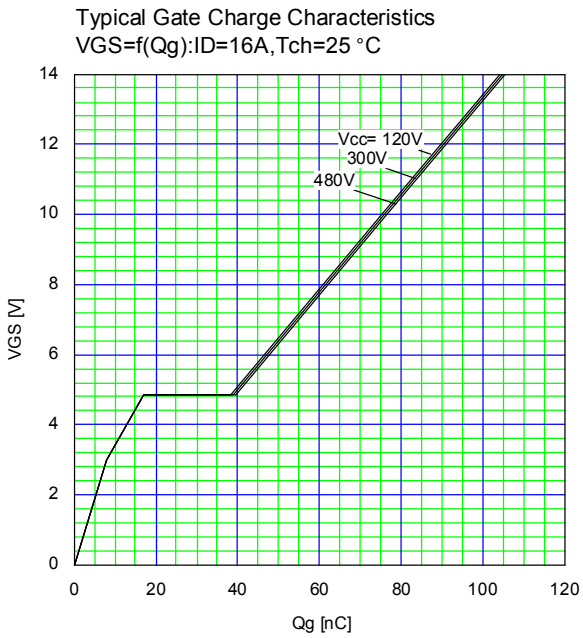
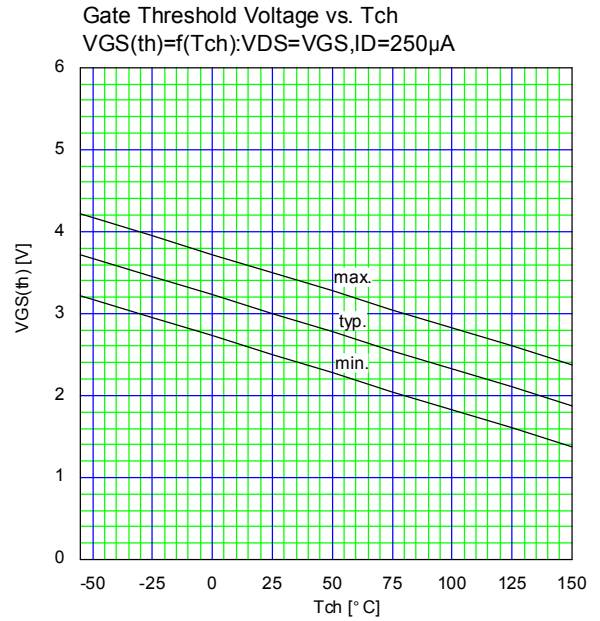
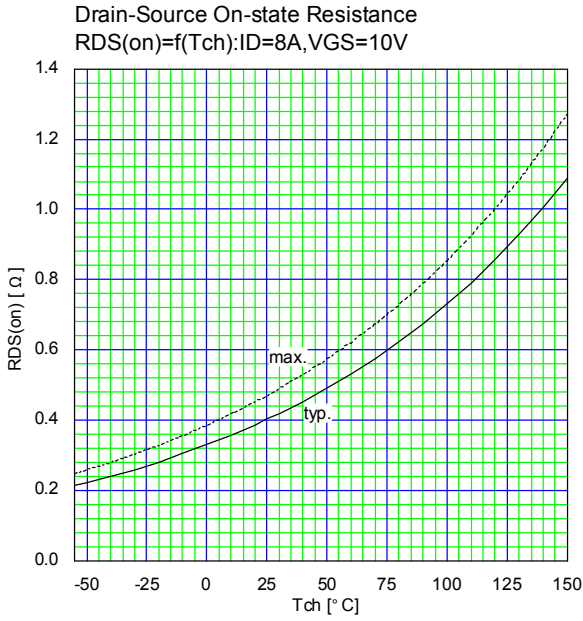


Typical Transconductance
 $g_{fs}=f(I_D):80\mu\text{s pulse test},V_{DS}=25\text{V},T_{ch}=25^\circ\text{C}$

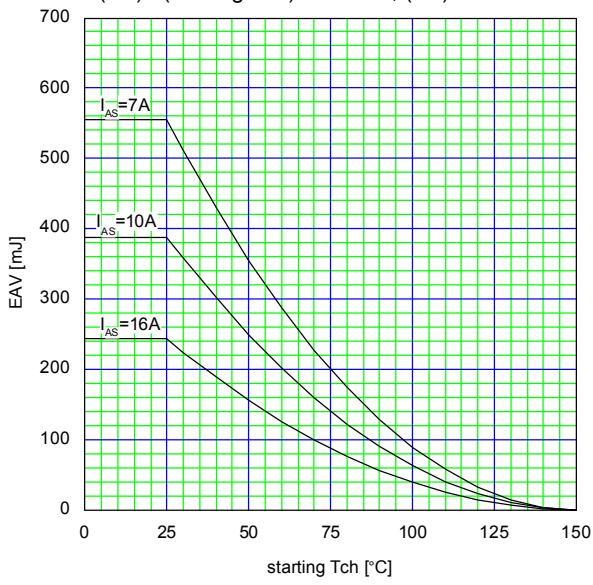


Typical Drain-Source on-state Resistance
 $R_{DS(on)}=f(I_D):80\mu\text{s pulse test},T_{ch}=25^\circ\text{C}$

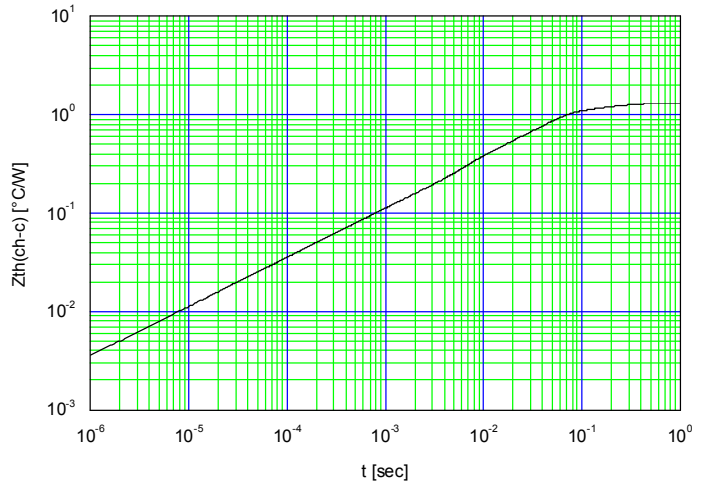




Maximum Avalanche Energy vs. starting Tch
 $E(AV)=f(\text{starting Tch}):V_{CC}=60V, I(AV)\leq 16A$



Maximum Transient Thermal Impedance
 $Z_{th}(ch-c)=f(t):D=0$



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