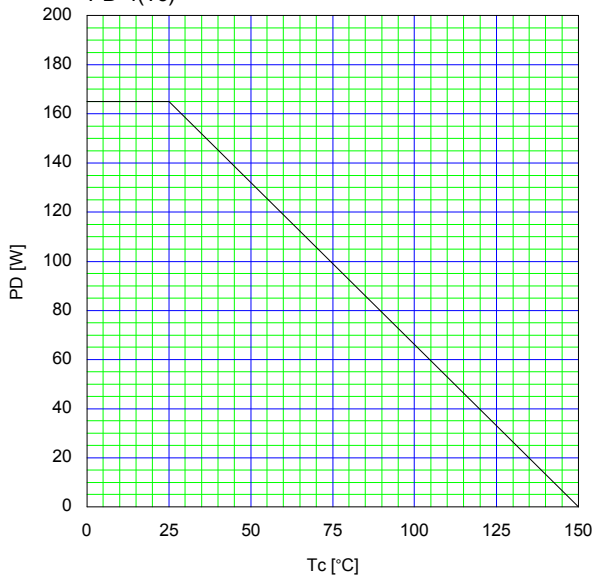
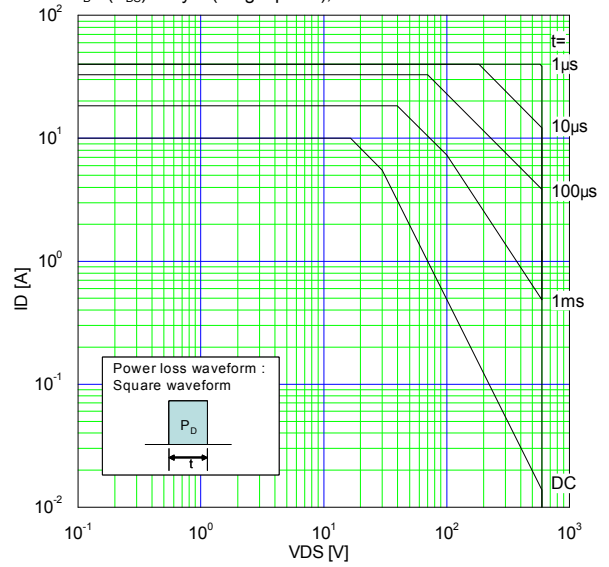




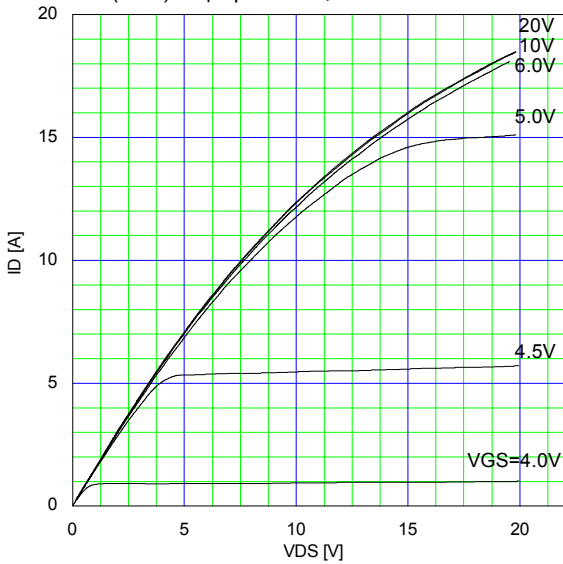
Allowable Power Dissipation  
 $PD=f(T_c)$



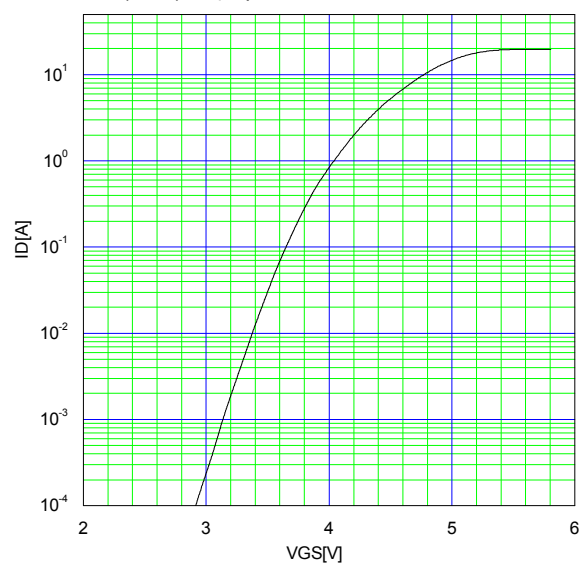
Safe Operating Area  
 $I_D=f(V_{DS}):Duty=0(\text{Single pulse}),T_c=25^\circ\text{C}$



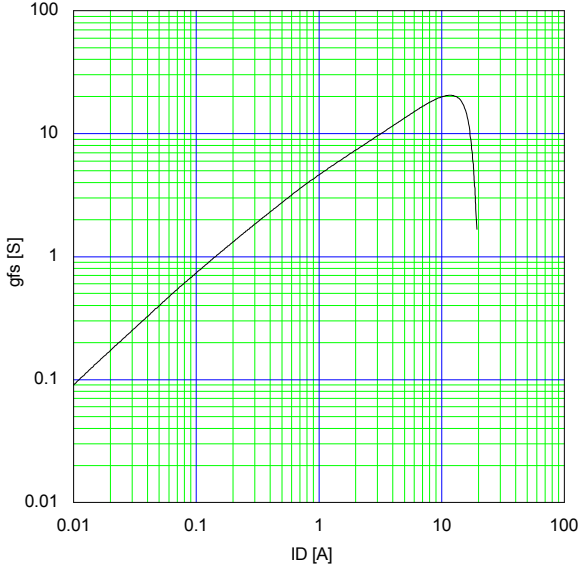
Typical Output Characteristics  
 $I_D=f(V_{DS}):80\ \mu\text{s pulse test},T_{ch}=25^\circ\text{C}$



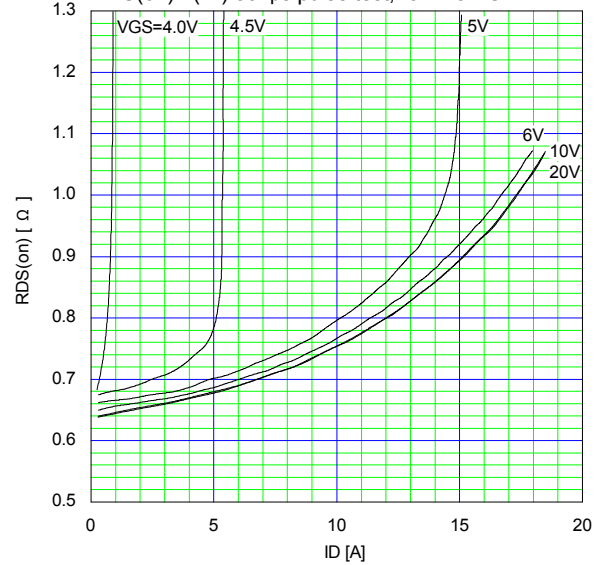
Typical Transfer Characteristic  
 $I_D=f(V_{GS}):80\ \mu\text{s pulse test},V_{DS}=25\text{V},T_{ch}=25^\circ\text{C}$



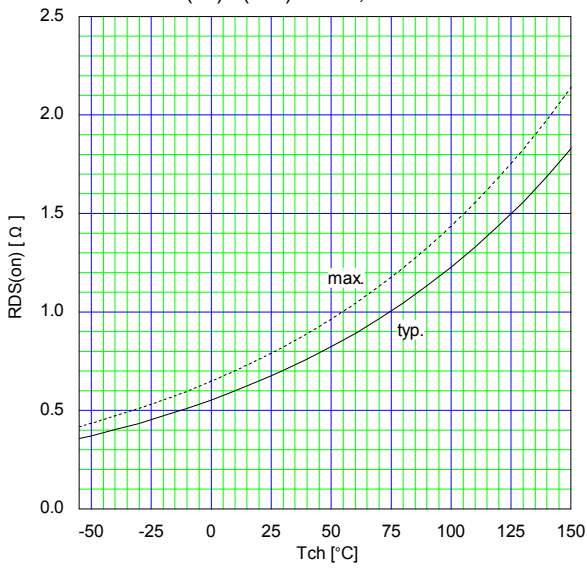
Typical Transconductance  
 $g_{fs}=f(I_D):80\ \mu\text{s pulse test},V_{DS}=25\text{V},T_{ch}=25^\circ\text{C}$



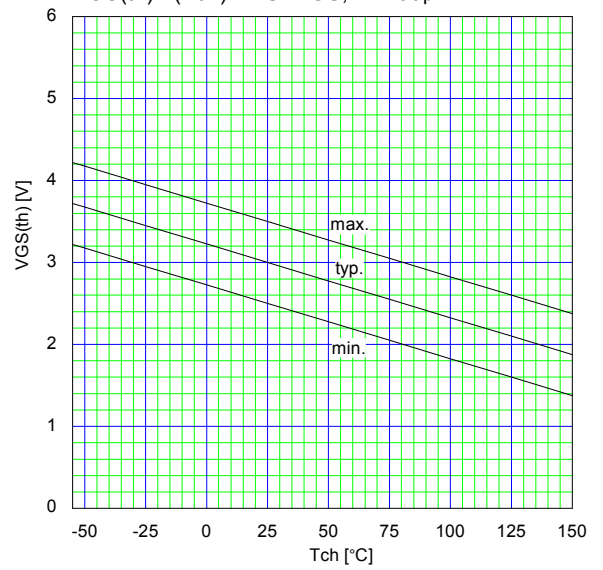
Typical Drain-Source on-state Resistance  
 $R_{DS(on)}=f(I_D):80\ \mu\text{s pulse test},T_{ch}=25^\circ\text{C}$



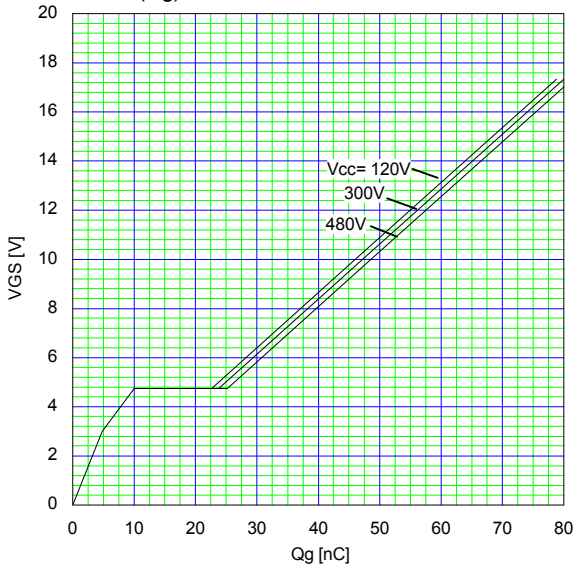
Drain-Source On-state Resistance  
 $R_{DS(on)}=f(T_{ch}):I_D=5A, V_{GS}=10V$



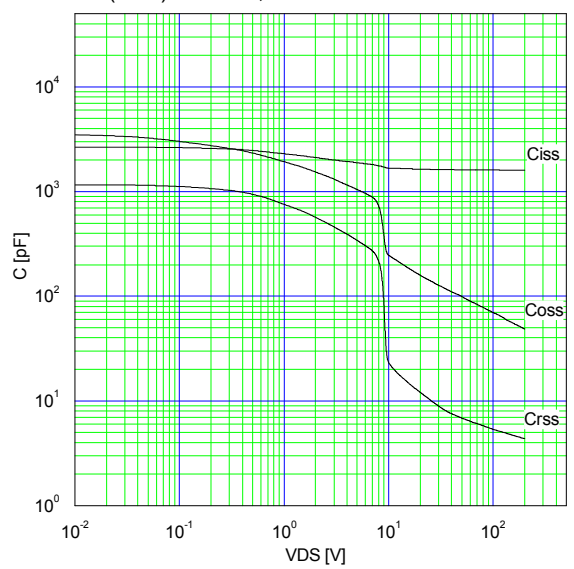
Gate Threshold Voltage vs. T<sub>ch</sub>  
 $V_{GS(th)}=f(T_{ch}):V_{DS}=V_{GS}, I_D=250\mu A$



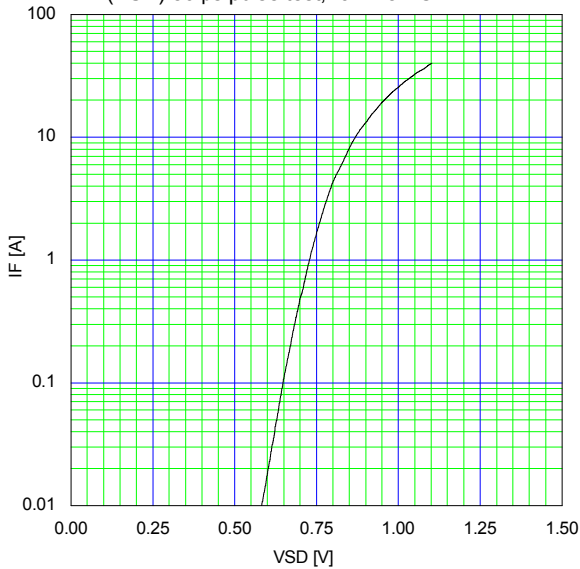
Typical Gate Charge Characteristics  
 $V_{GS}=f(Q_g):I_D=10A, T_{ch}=25\text{ °C}$



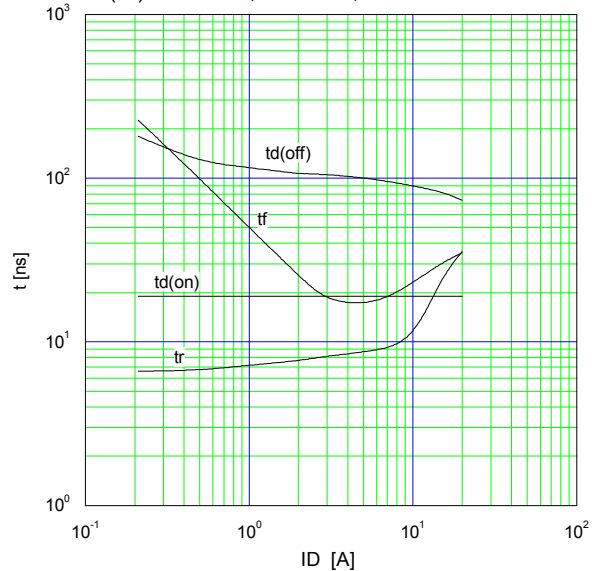
Typical Capacitance  
 $C=f(V_{DS}):V_{GS}=0V, f=1MHz$

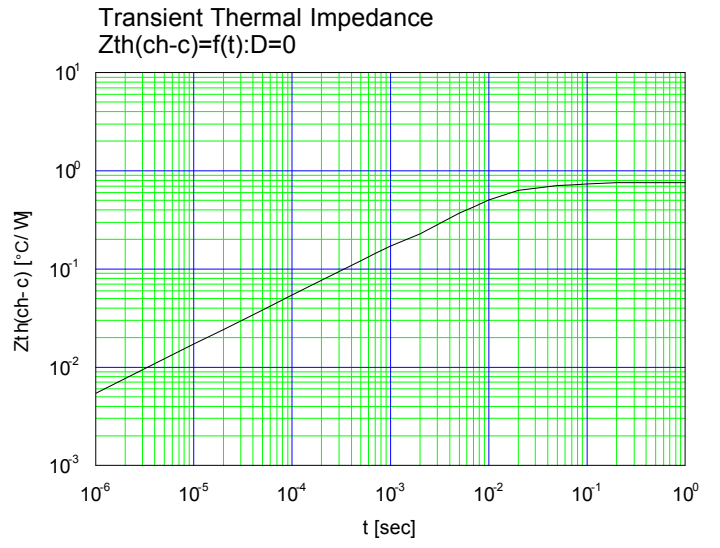
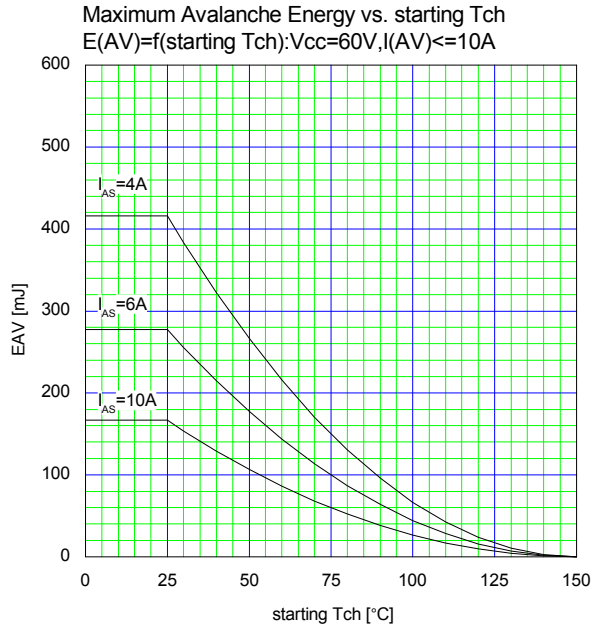


Typical Forward Characteristics of Reverse Diode  
 $I_F=f(V_{SD}):80\ \mu s\ pulse\ test, T_{ch}=25\text{ °C}$



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





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  - Medical equipment
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