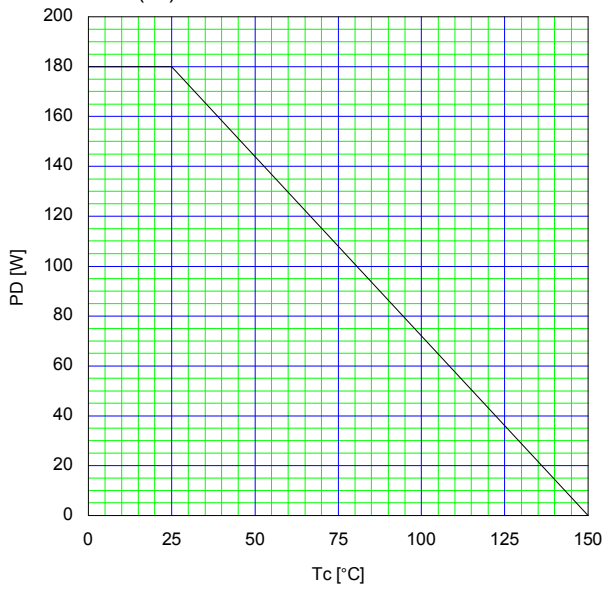
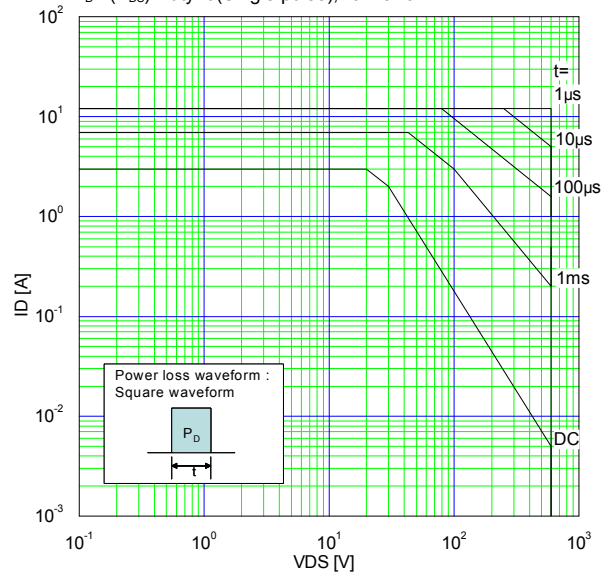




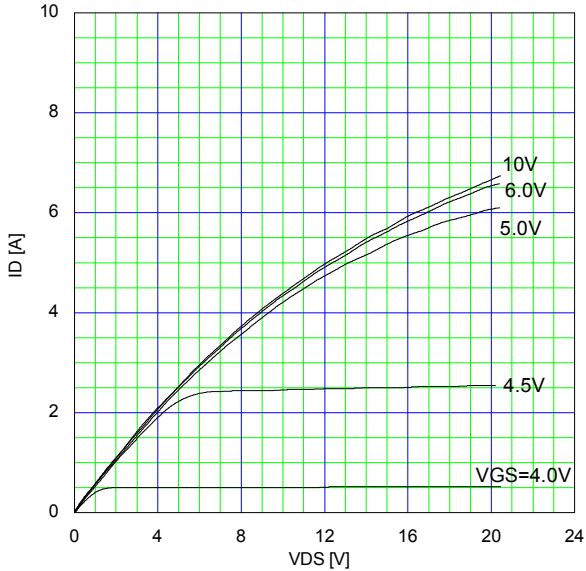
Allowable Power Dissipation  
 $PD=f(T_c)$



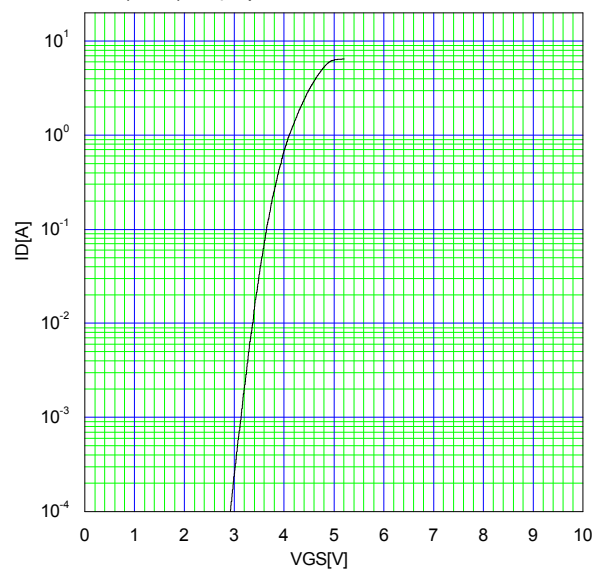
Safe Operating Area  
 $I_D=f(V_{DS}): Duty=0(\text{Single pulse}), T_c=25\text{ }^\circ\text{C}$



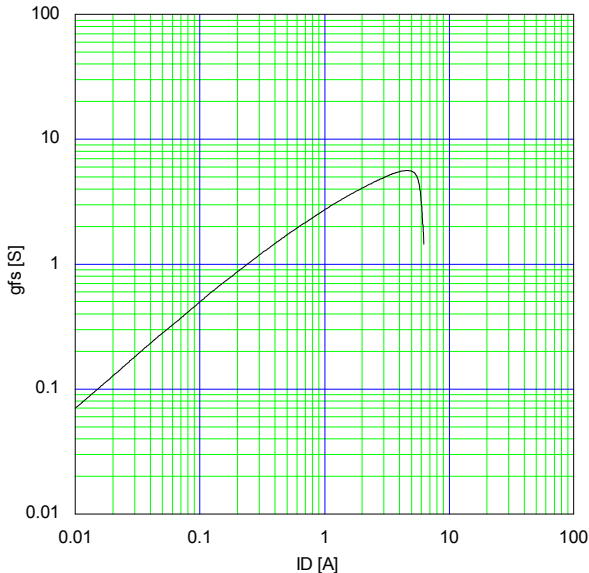
Typical Output Characteristics  
 $I_D=f(V_{DS}): 80\text{ }\mu\text{s pulse test}, T_{ch}=25\text{ }^\circ\text{C}$



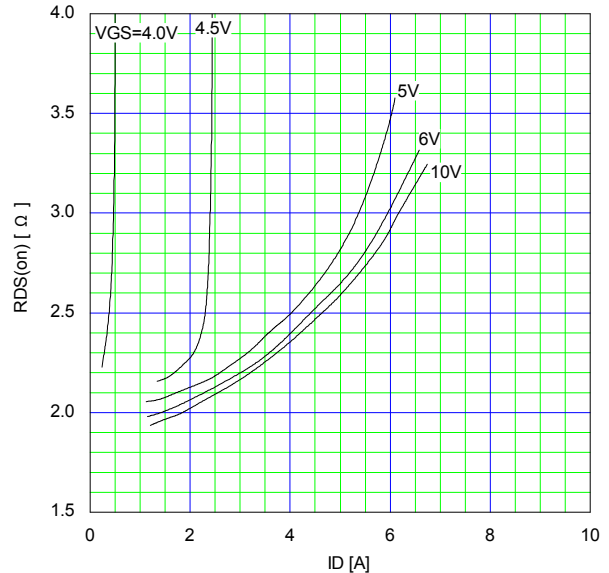
Typical Transfer Characteristic  
 $I_D=f(V_{GS}): 80\text{ }\mu\text{s pulse test}, V_{DS}=25\text{V}, T_{ch}=25\text{ }^\circ\text{C}$



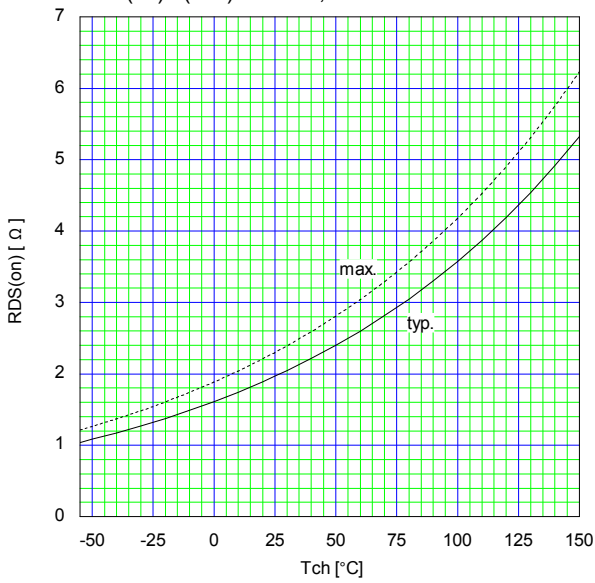
Typical Transconductance  
 $g_{fs}=f(I_D): 80\text{ }\mu\text{s pulse test}, V_{DS}=25\text{V}, T_{ch}=25\text{ }^\circ\text{C}$



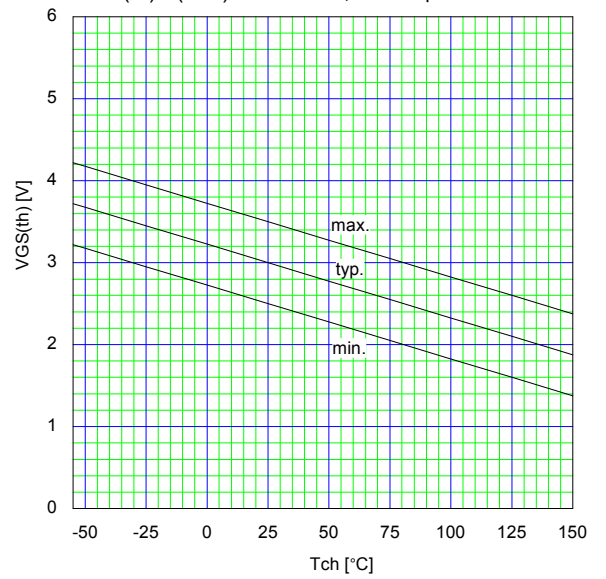
Typical Drain-Source on-state Resistance  
 $R_{DS(on)}=f(I_D): 80\text{ }\mu\text{s pulse test}, T_{ch}=25\text{ }^\circ\text{C}$



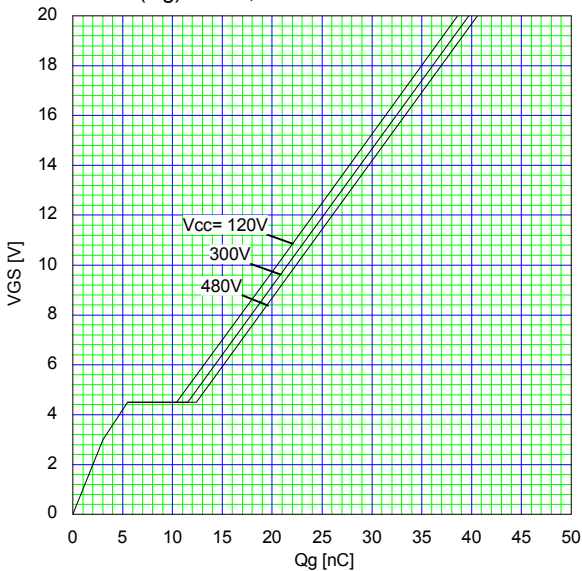
Drain-Source On-state Resistance  
 $R_{DS(on)} = f(T_{ch}) : I_D = 1.5A, V_{GS} = 10V$



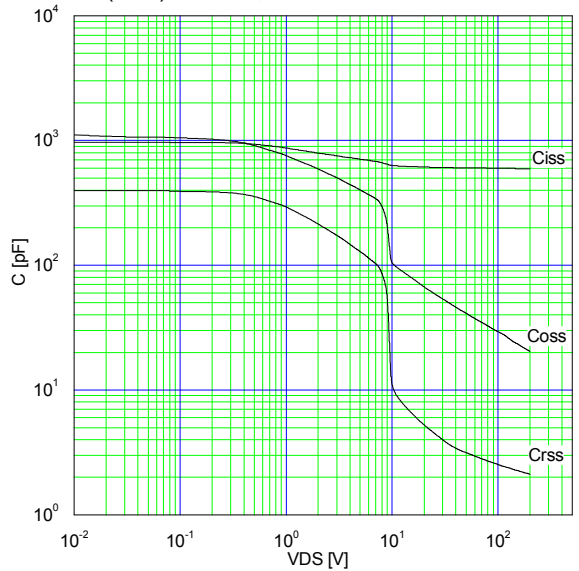
Gate Threshold Voltage vs. T<sub>ch</sub>  
 $V_{GS(th)} = f(T_{ch}) : V_{DS} = V_{GS}, I_D = 250\mu A$



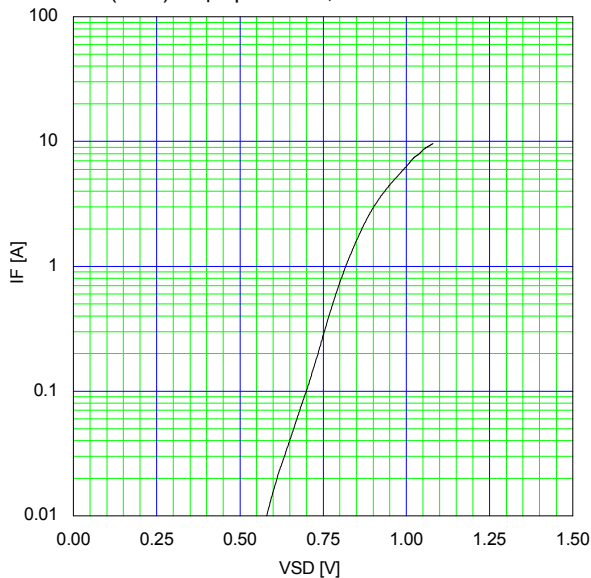
Typical Gate Charge Characteristics  
 $V_{GS} = f(Q_g) : I_D = 3A, T_{ch} = 25^\circ C$



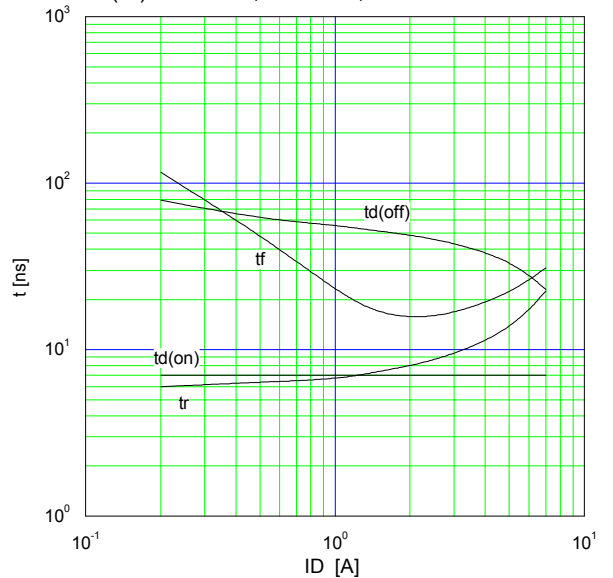
Typical Capacitance  
 $C = f(V_{DS}) : V_{GS} = 0V, f = 1MHz$

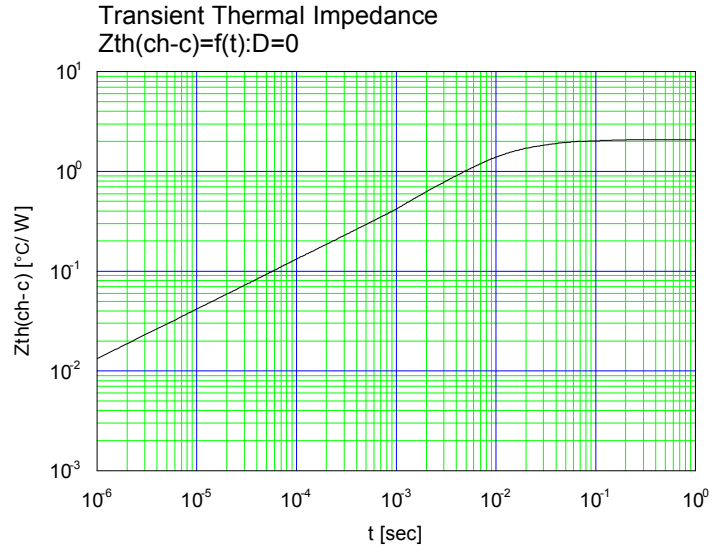
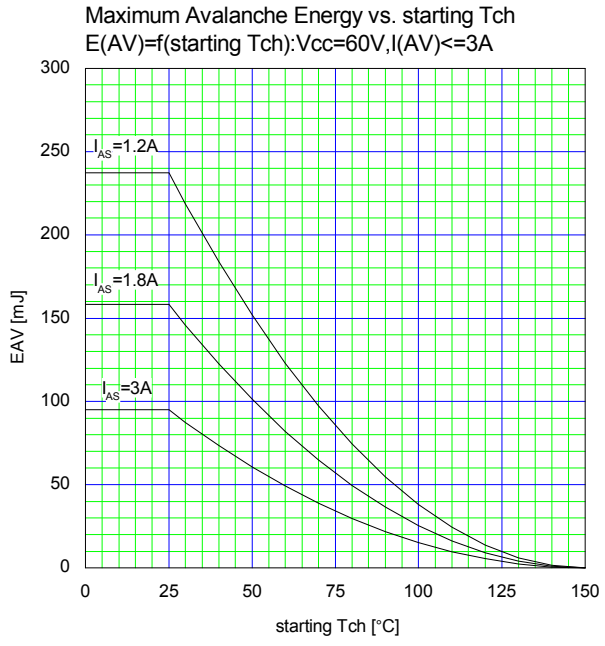


Typical Forward Characteristics of Reverse Diode  
 $I_F = f(V_{SD}) : 80\mu s \text{ pulse test}, T_{ch} = 25^\circ C$



Typical Switching Characteristics vs. I<sub>D</sub>  
 $t = f(I_D) : V_{cc} = 300V, V_{GS} = 10V, R_G = 27\ \Omega$





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  - Emergency equipment for responding to disasters and anti-burglary devices                      • Safety devices
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