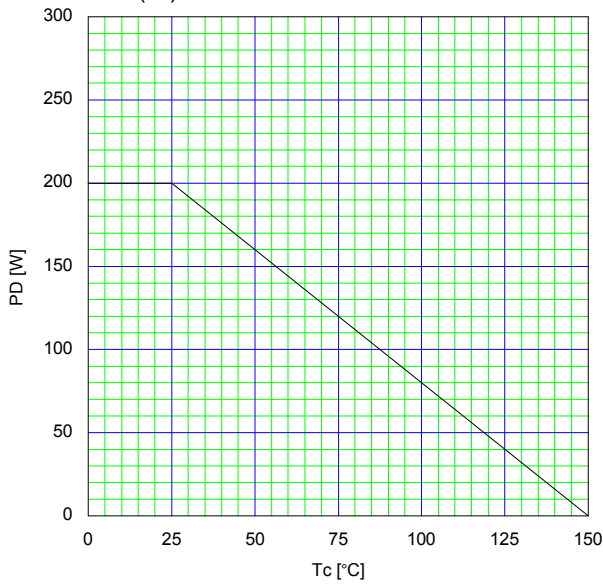
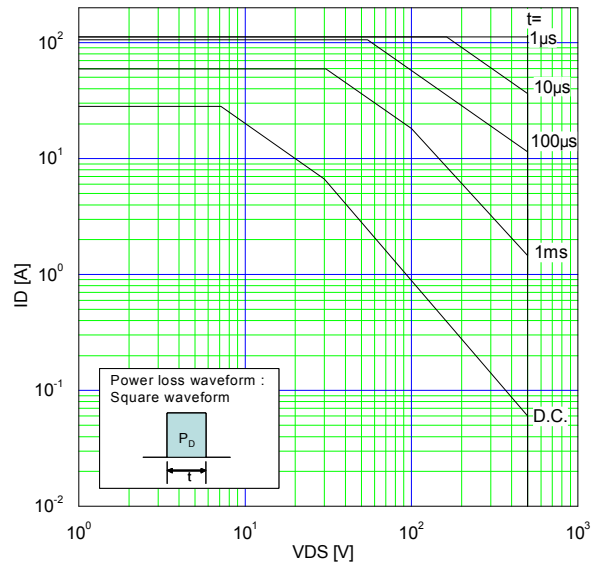


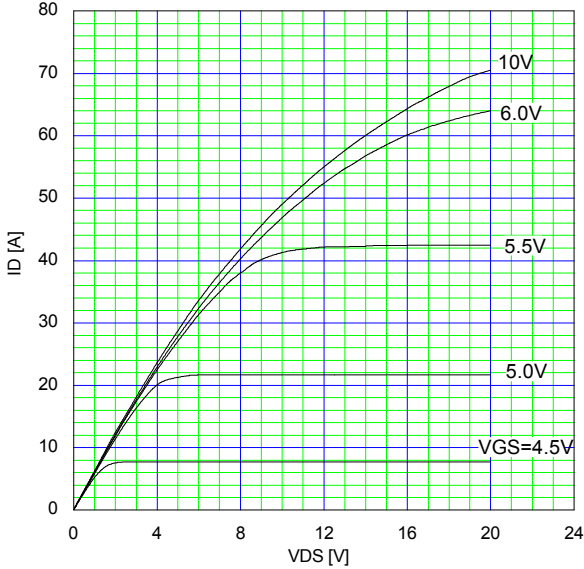
Allowable Power Dissipation
 $P_D=f(T_c)$



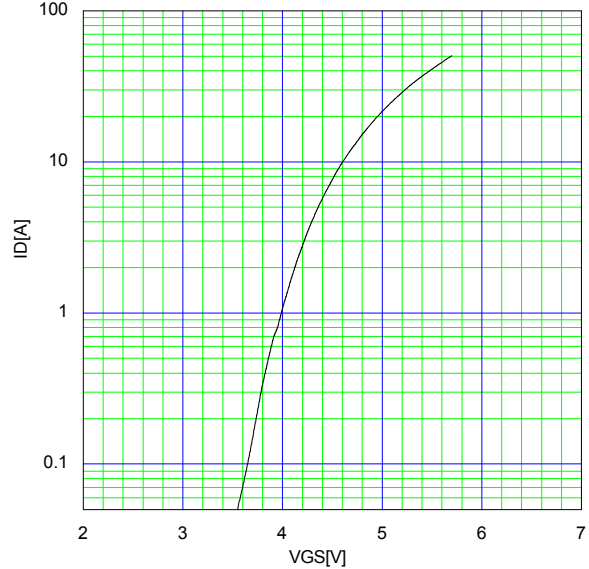
Safe Operating Area
 $I_D=f(V_{DS}): \text{Duty}=0(\text{Single pulse}), T_c=25^\circ\text{C}$



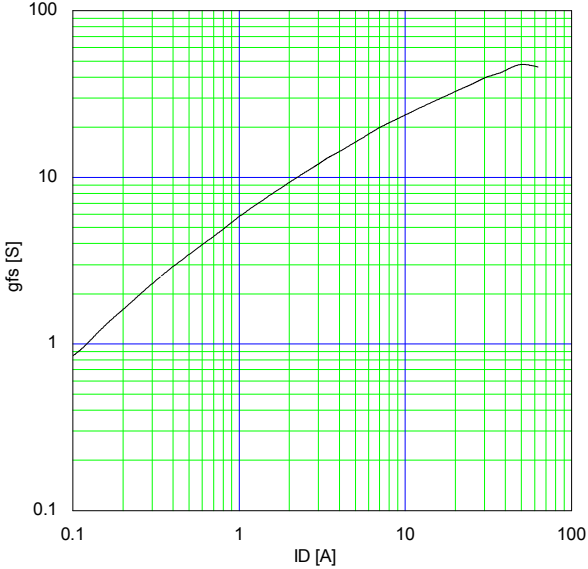
Typical Output Characteristics
 $I_D=f(V_{DS}): 80 \mu\text{s pulse test}, T_{ch}=25^\circ\text{C}$



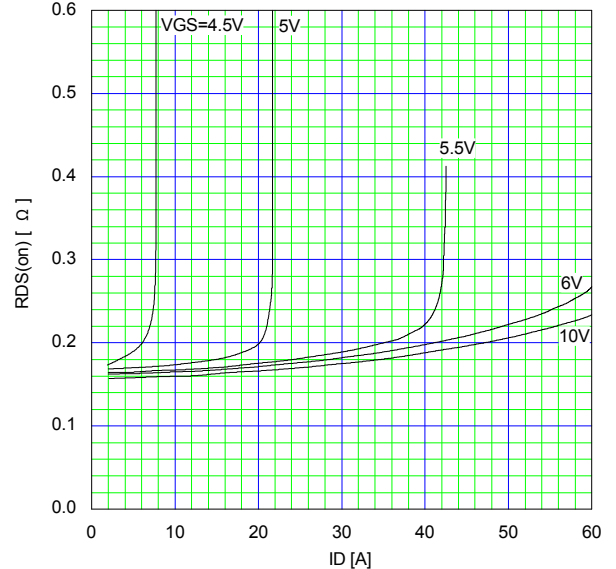
Typical Transfer Characteristic
 $I_D=f(V_{GS}): 80 \mu\text{s pulse test}, V_{DS}=25\text{V}, T_{ch}=25^\circ\text{C}$



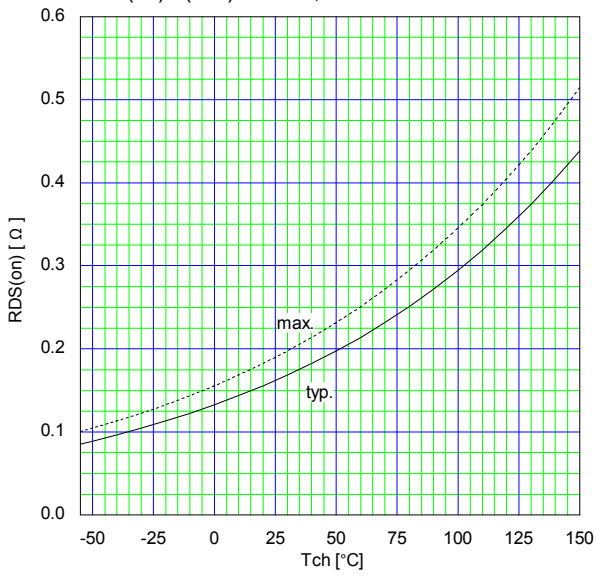
Typical Transconductance
 $g_{fs}=f(I_D): 80 \mu\text{s pulse test}, V_{DS}=25\text{V}, T_{ch}=25^\circ\text{C}$



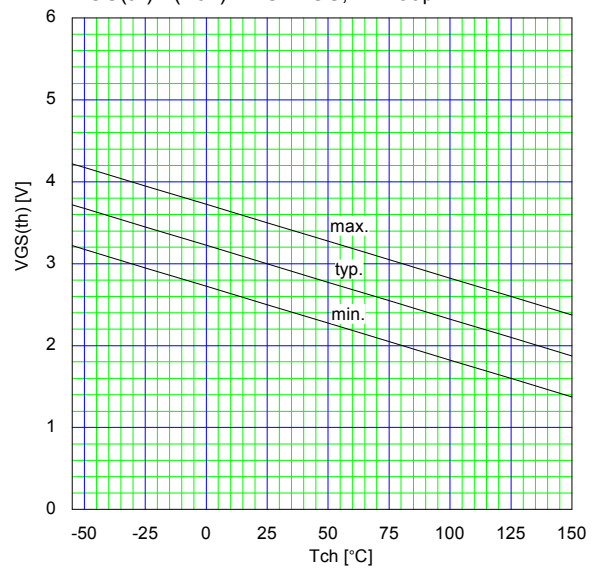
Typical Drain-Source on-state Resistance
 $R_{DS(on)}=f(I_D): 80 \mu\text{s pulse test}, T_{ch}=25^\circ\text{C}$



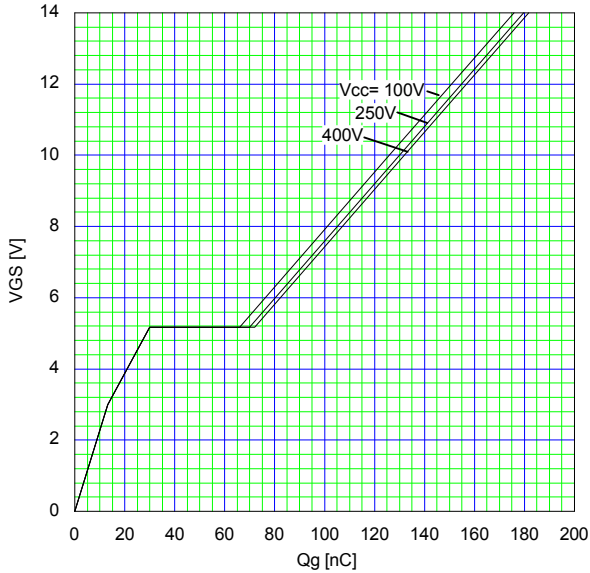
Drain-Source On-state Resistance
 $R_{DS(on)} = f(T_{ch}): I_D = 14A, V_{GS} = 10V$



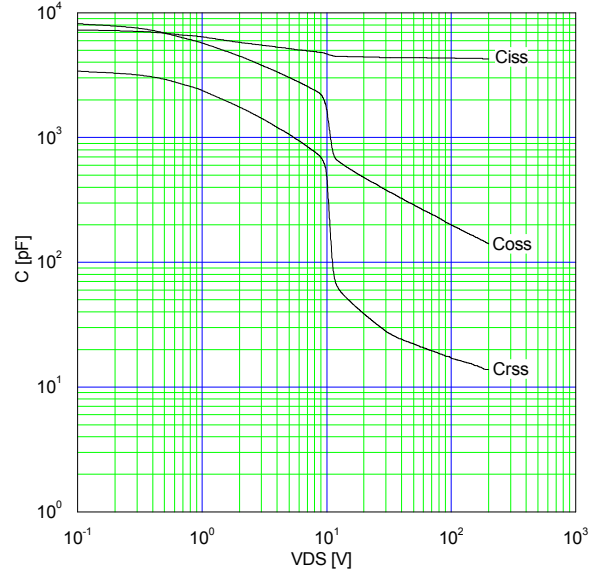
Gate Threshold Voltage vs. T_{ch}
 $V_{GS(th)} = f(T_{ch}): V_{DS} = V_{GS}, I_D = 250\mu A$



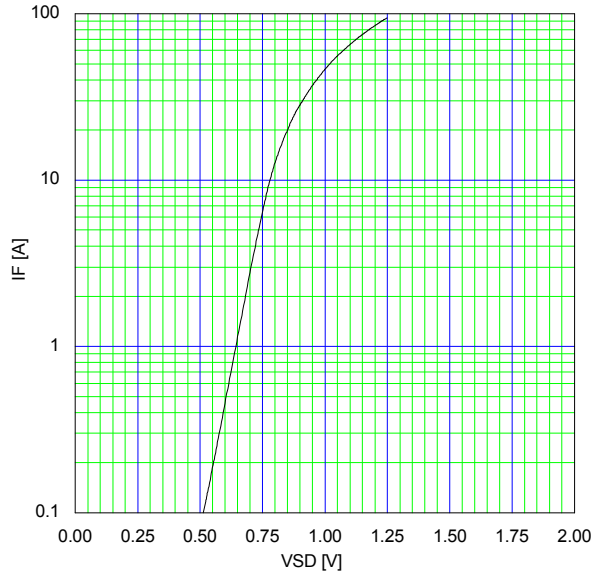
Typical Gate Charge Characteristics
 $V_{GS} = f(Q_g): I_D = 28A, T_{ch} = 25\text{ °C}$



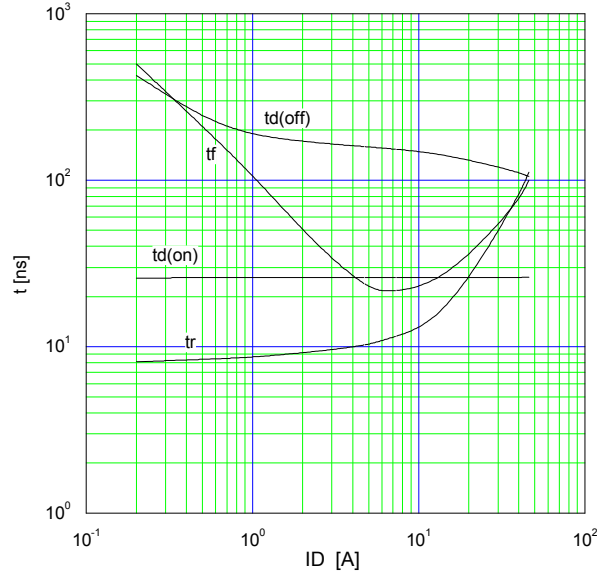
Typical Capacitance
 $C = f(V_{DS}): V_{GS} = 0V, f = 1MHz$



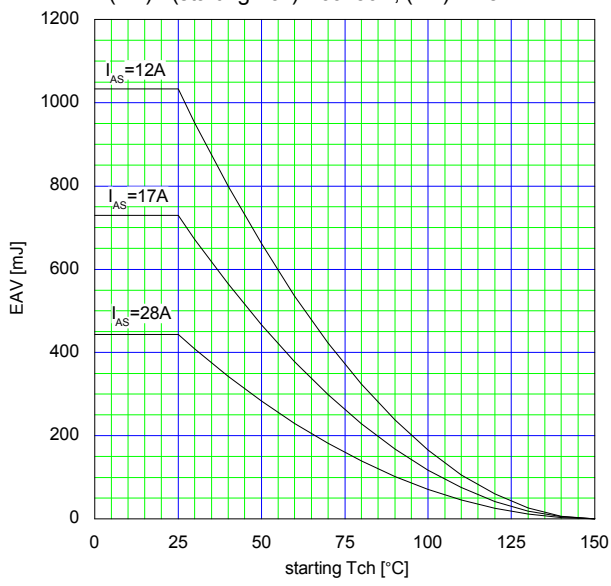
Typical Forward Characteristics of Reverse Diode
 $I_F = f(V_{SD}): 80\text{ }\mu s\text{ pulse test}, T_{ch} = 25\text{ °C}$



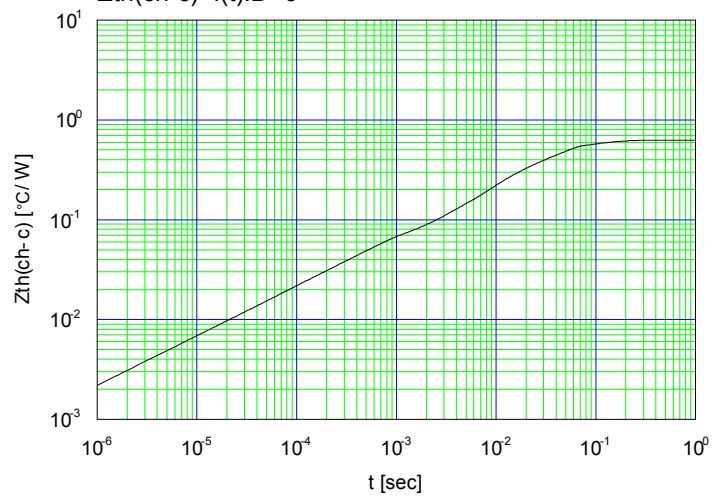
Typical Switching Characteristics vs. I_D
 $t = f(I_D): V_{cc} = 300V, V_{GS} = 10V, R_G = 5.1\text{ }\Omega$



Maximum Avalanche Energy vs. starting Tch
 $E(AV)=f(\text{starting Tch}):V_{CC}=50V, I(AV)\leq 28A$



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



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