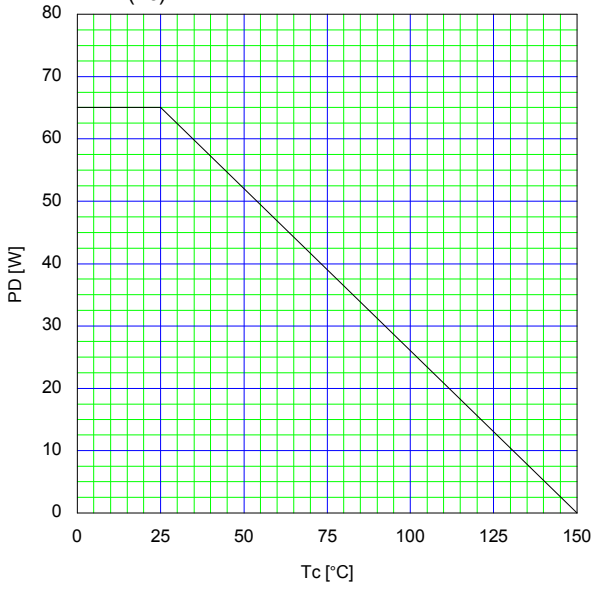
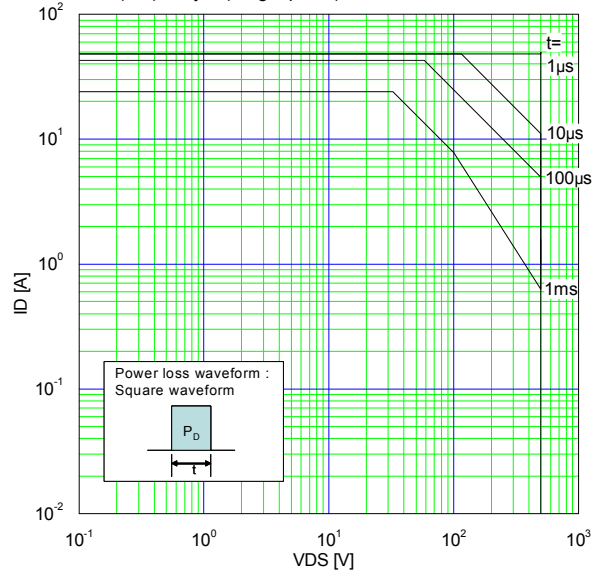




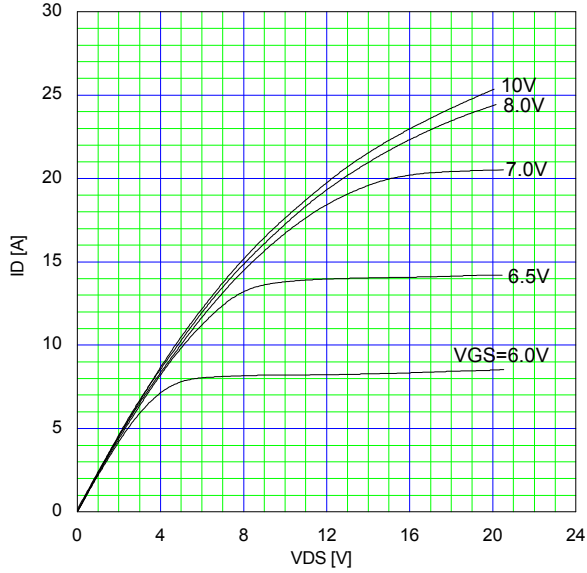
Allowable Power Dissipation  
 $P_D = f(T_c)$



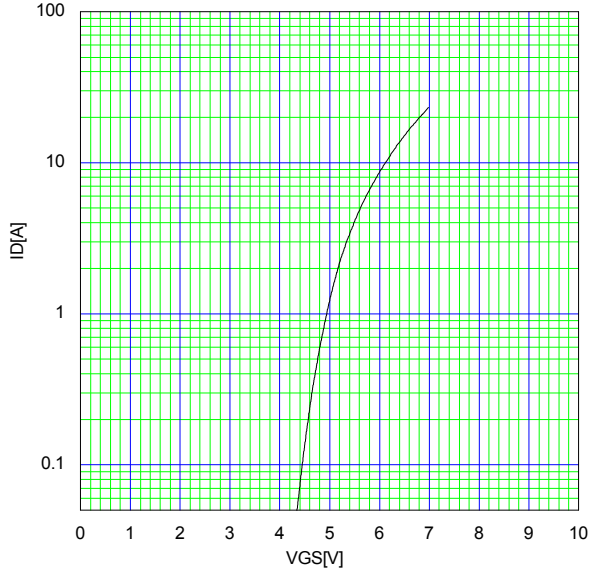
Safe Operating Area  
 $I_D = f(V_{DS})$ ; Duty=0 (Single pulse),  $T_c = 25^\circ\text{C}$



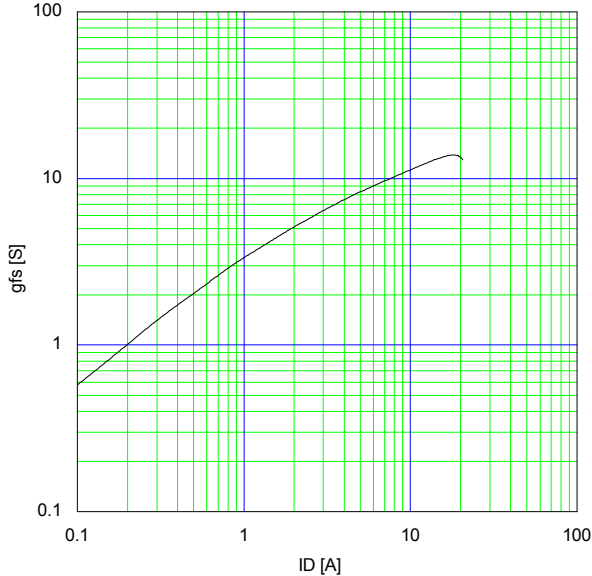
Typical Output Characteristics  
 $I_D = f(V_{DS})$ ; 80 μs pulse test,  $T_{ch} = 25^\circ\text{C}$



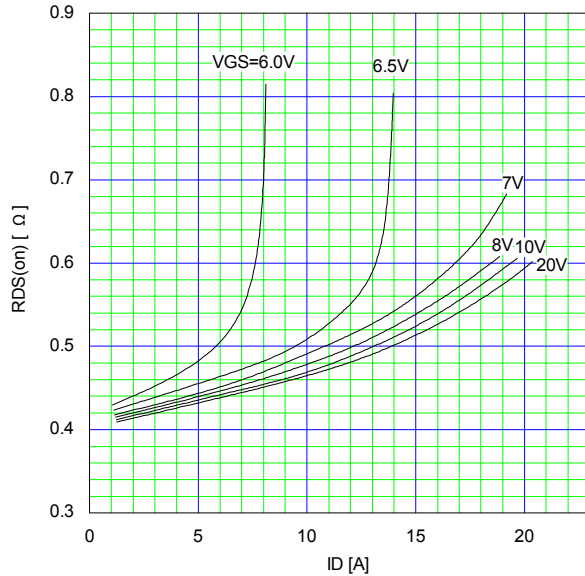
Typical Transfer Characteristic  
 $I_D = f(V_{GS})$ ; 80 μs pulse test,  $V_{DS} = 25\text{V}$ ,  $T_{ch} = 25^\circ\text{C}$

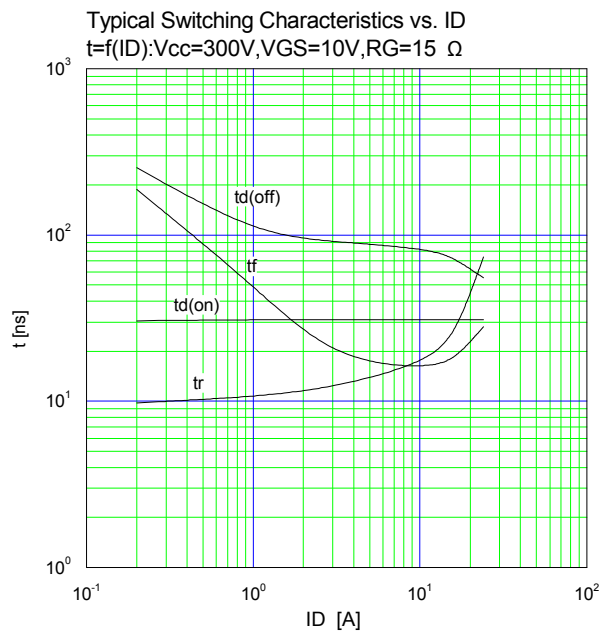
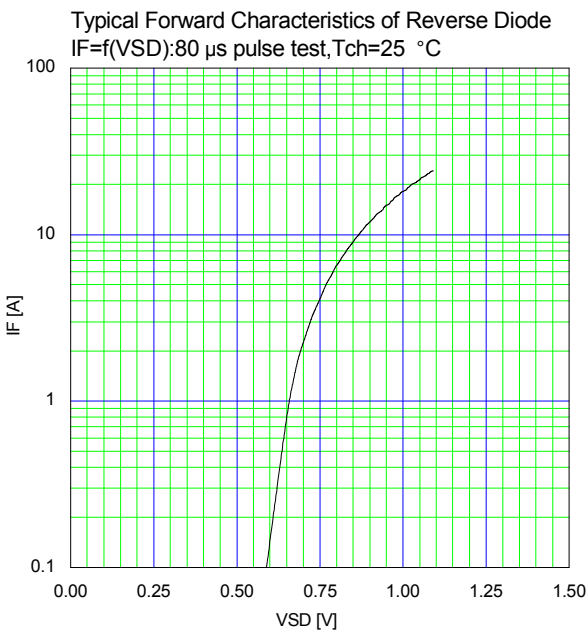
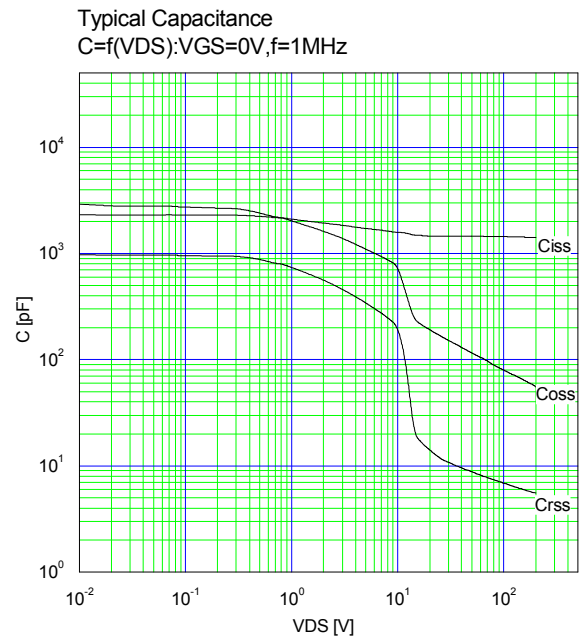
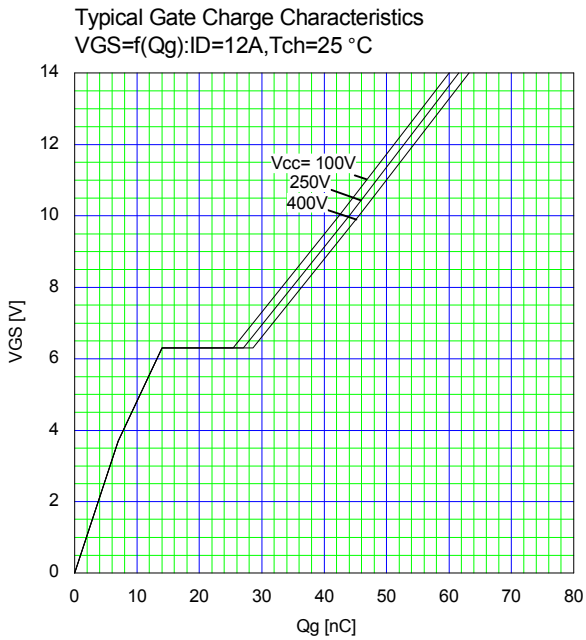
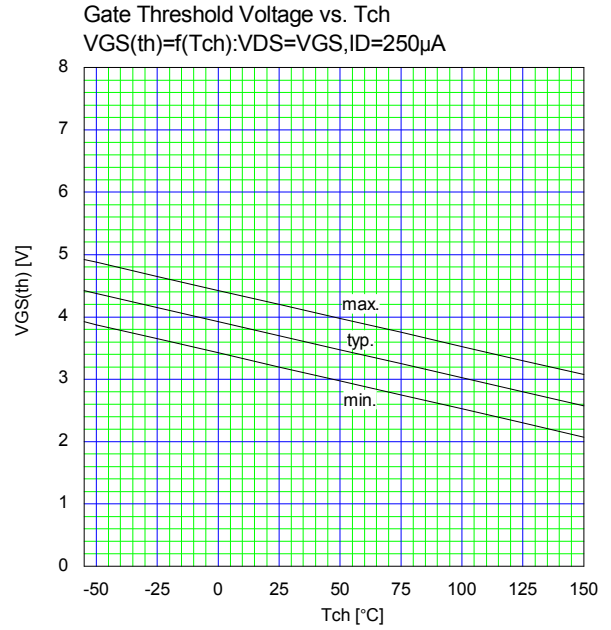
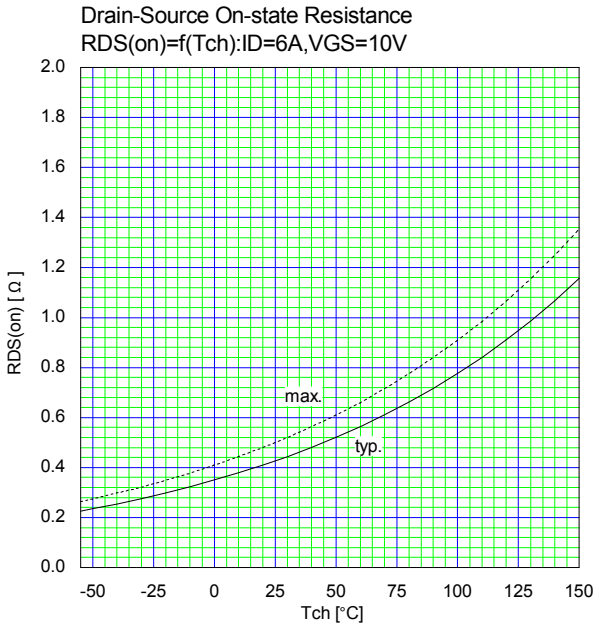


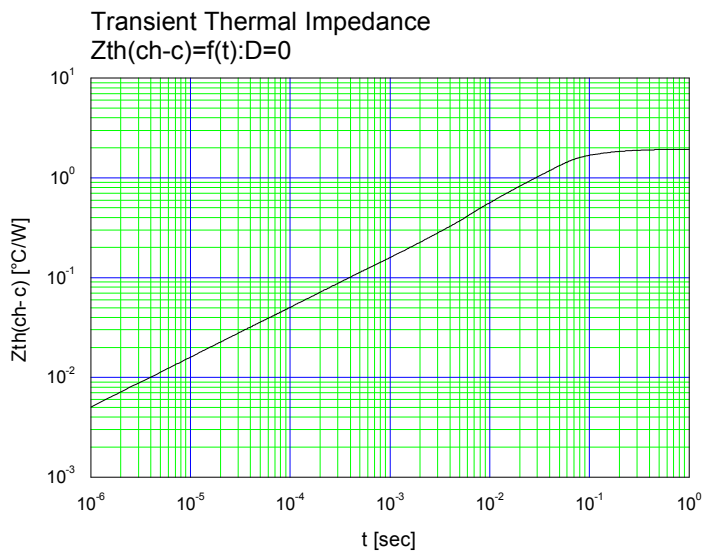
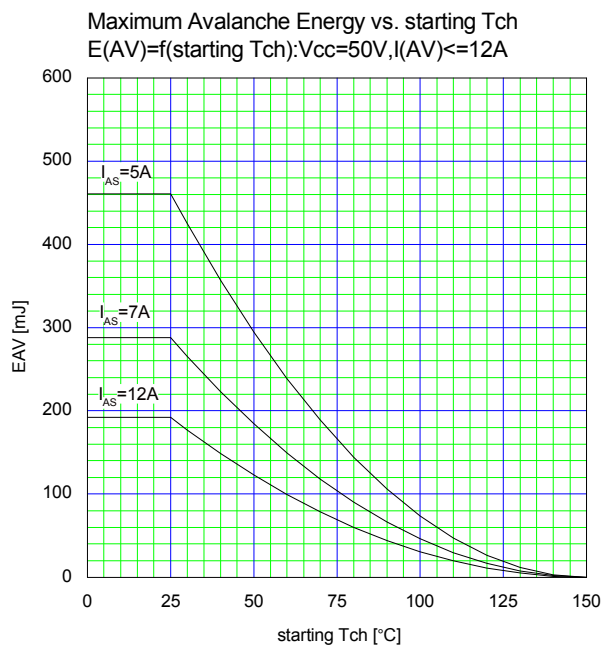
Typical Transconductance  
 $g_{fs} = f(I_D)$ ; 80 μs pulse test,  $V_{DS} = 25\text{V}$ ,  $T_{ch} = 25^\circ\text{C}$



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







**WARNING**

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  - Machine tools                      • Audiovisual equipment                      • Electrical home appliances                      • Personal equipment                      • Industrial robots etc.
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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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  - Submarine repeater equipment
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