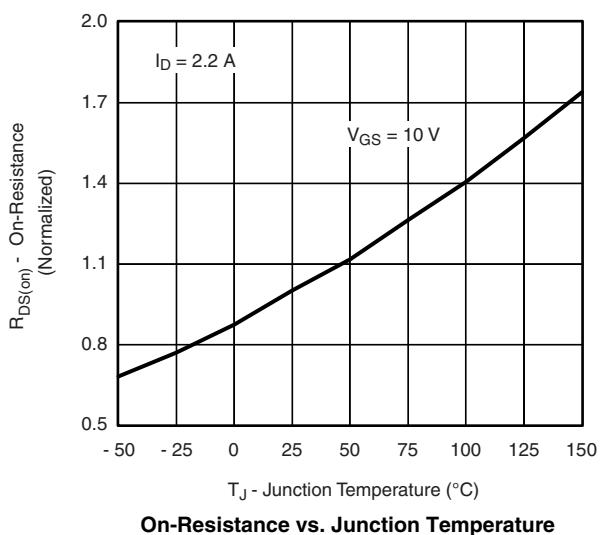
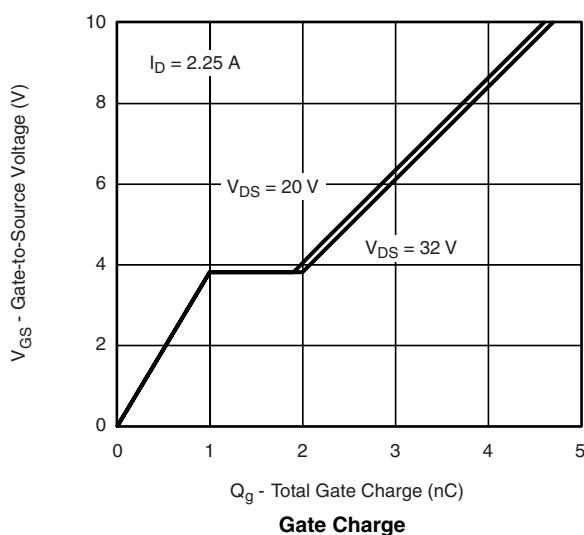
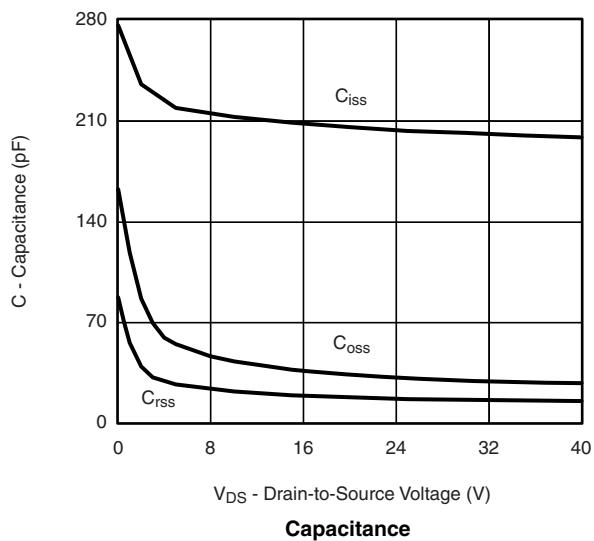
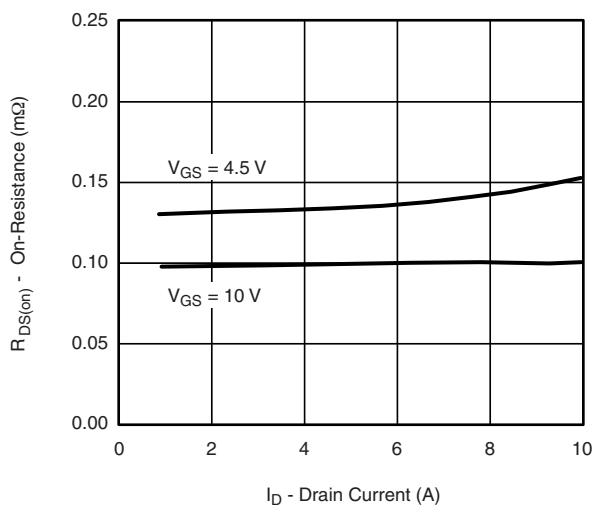
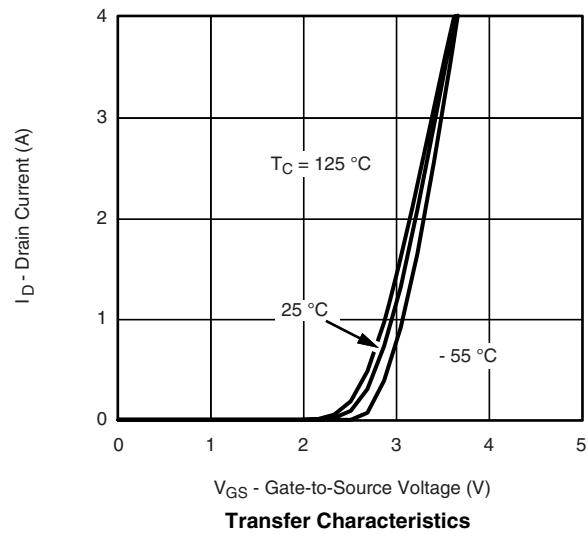
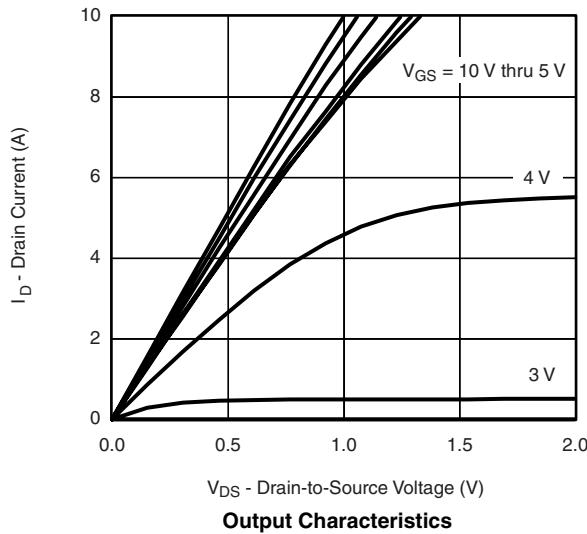


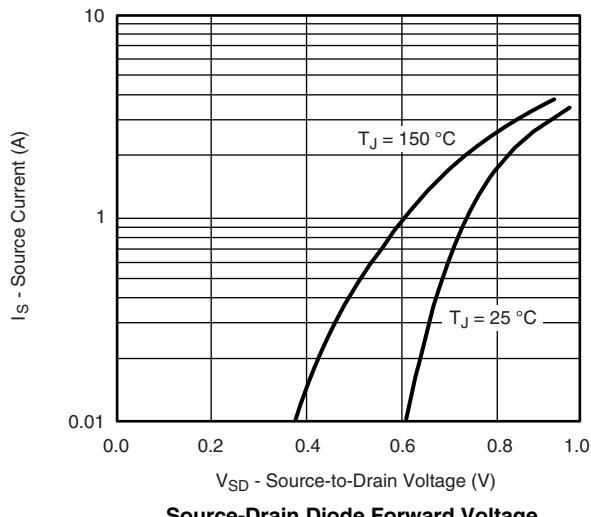
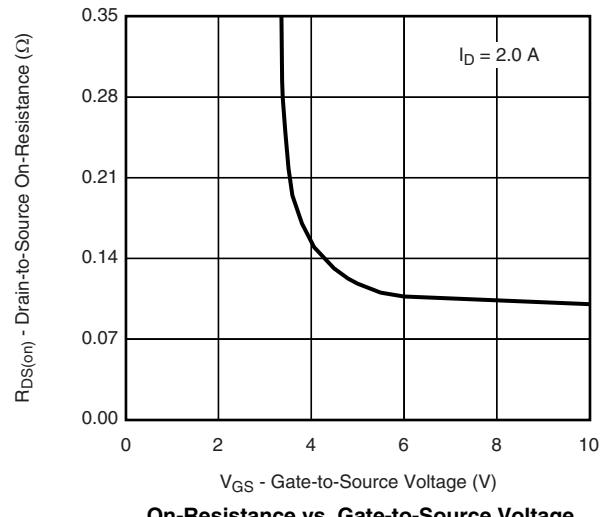
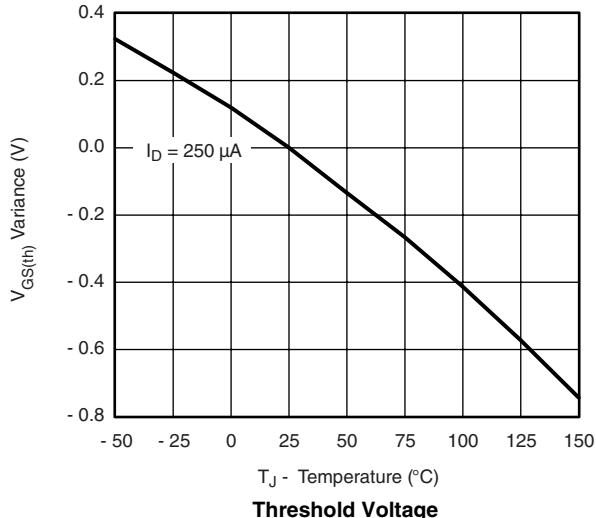
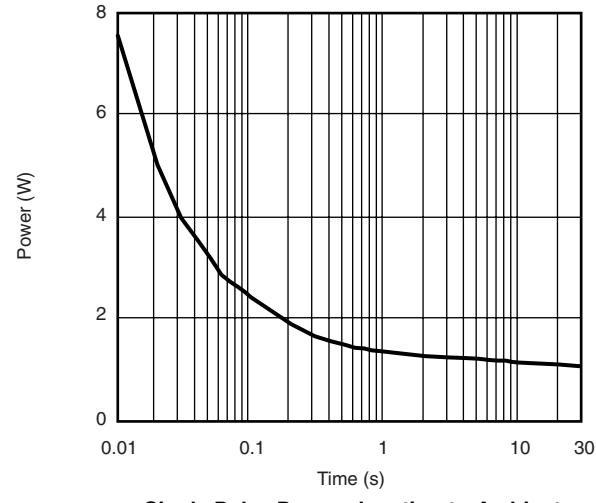
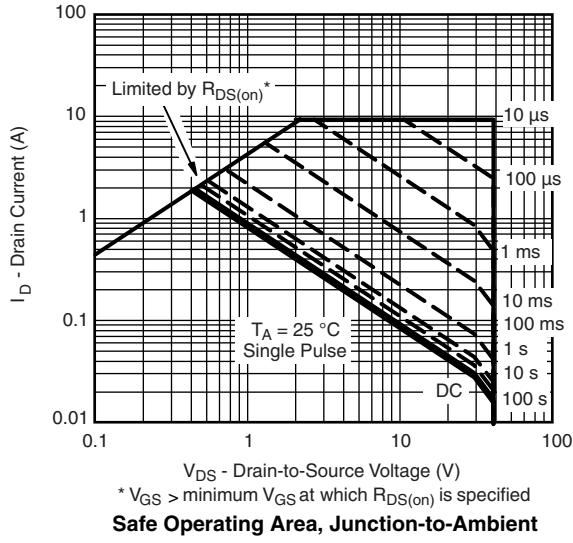


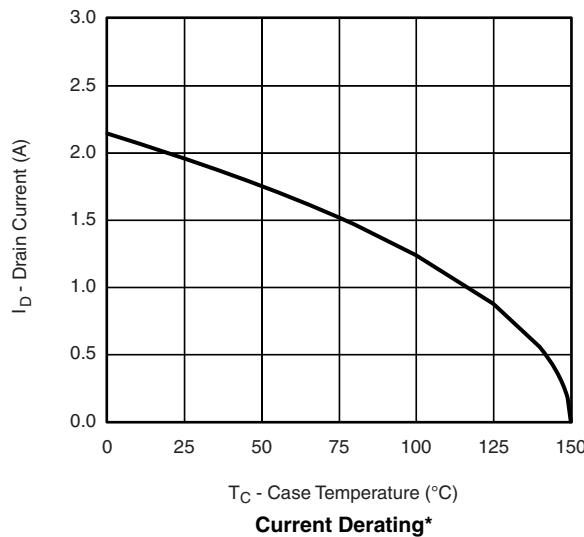
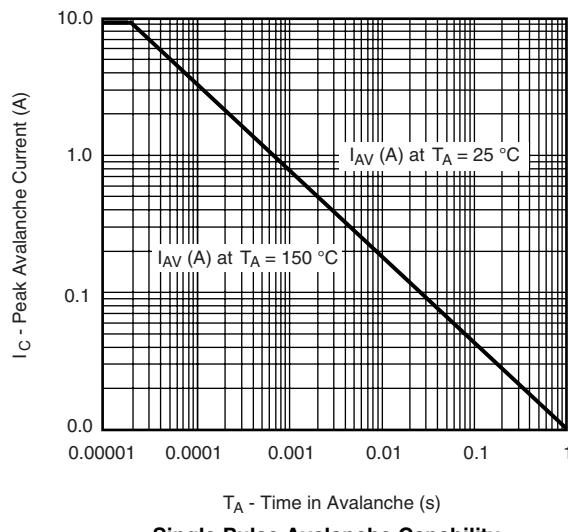
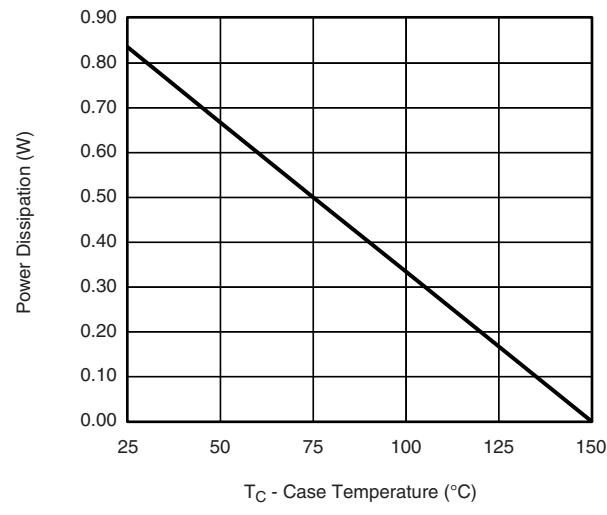




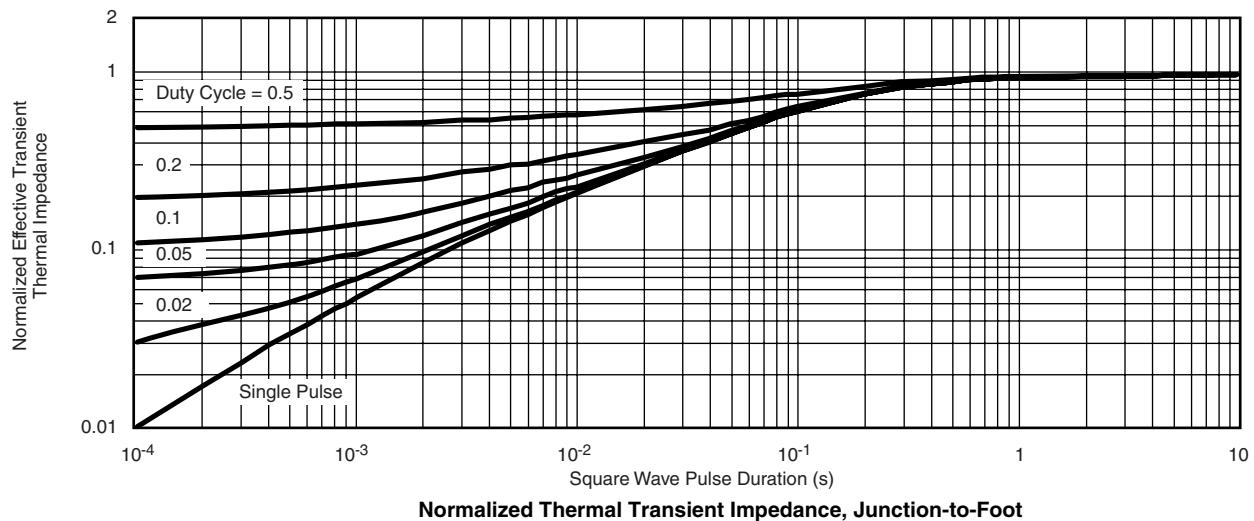
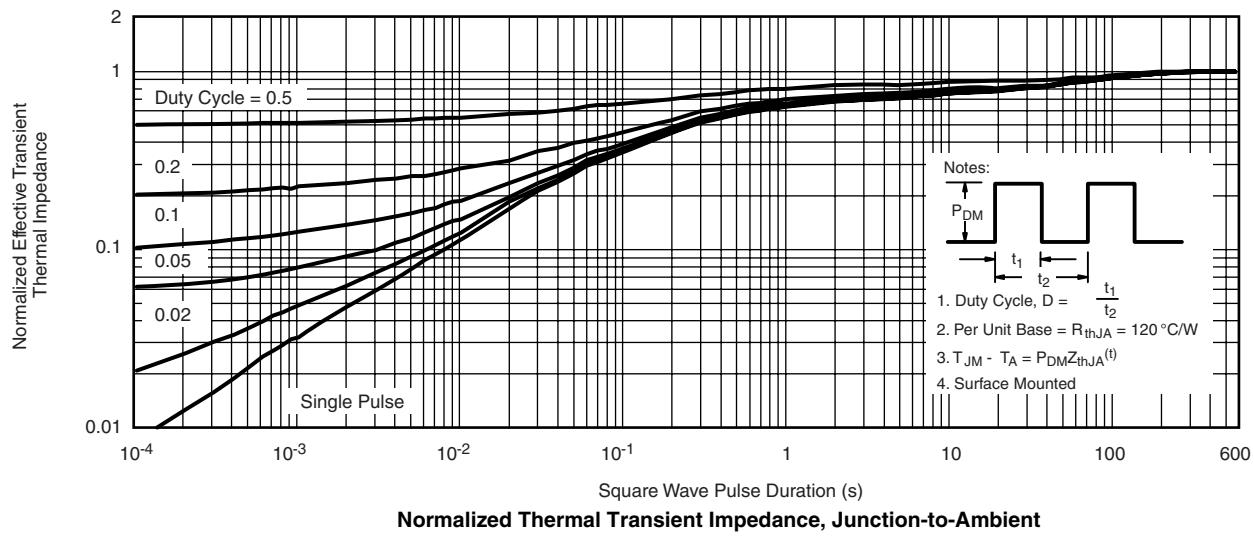
### N-CHANNEL TYPICAL CHARACTERISTICS 25 °C, unless otherwise noted



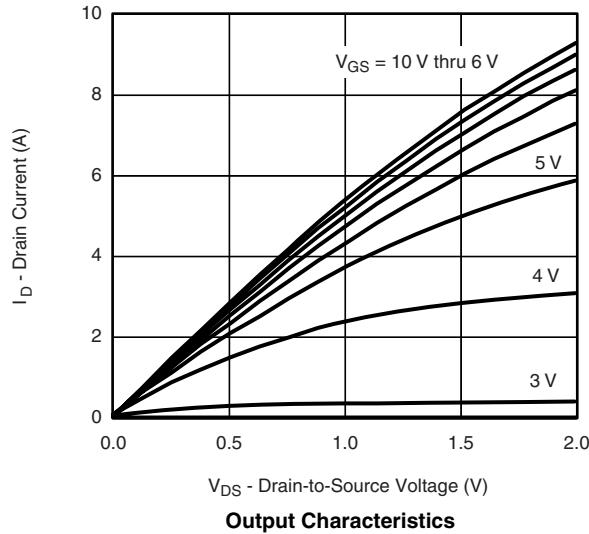
**N-CHANNEL TYPICAL CHARACTERISTICS** 25 °C, unless otherwise noted

**Source-Drain Diode Forward Voltage**

**On-Resistance vs. Gate-to-Source Voltage**

**Threshold Voltage**

**Single Pulse Power, Junction-to-Ambient**

 $* V_{GS} > \text{minimum } V_{GS} \text{ at which } R_{DS(on)} \text{ is specified}$ 
**Safe Operating Area, Junction-to-Ambient**

**N-CHANNEL TYPICAL CHARACTERISTICS** 25 °C, unless otherwise noted $T_C$  - Case Temperature (°C)**Current Derating\*** $T_A$  - Time in Avalanche (s)**Single Pulse Avalanche Capability** $T_C$  - Case Temperature (°C)**Power Derating, Junction-to-Ambient**

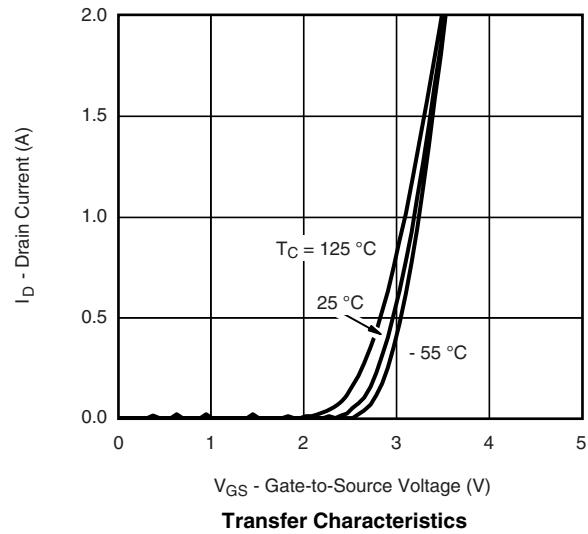
\* The power dissipation P<sub>D</sub> is based on  $T_{J(max)} = 150$  °C, using junction-to-case thermal resistance, and is more useful in settling the upper dissipation limit for cases where additional heatsinking is used. It is used to determine the current rating, when this rating falls below the package limit.

**N-CHANNEL TYPICAL CHARACTERISTICS** 25 °C, unless otherwise noted


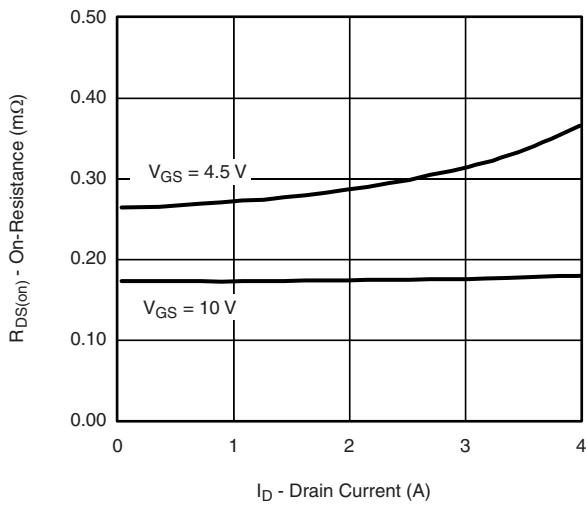
**P-CHANNEL TYPICAL CHARACTERISTICS** 25 °C, unless otherwise noted



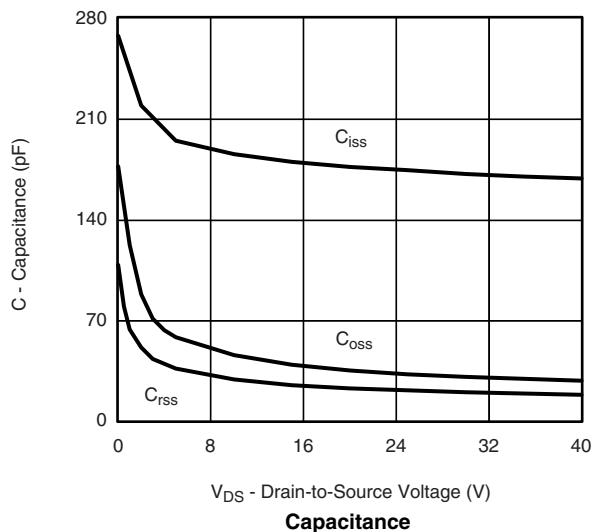
Output Characteristics



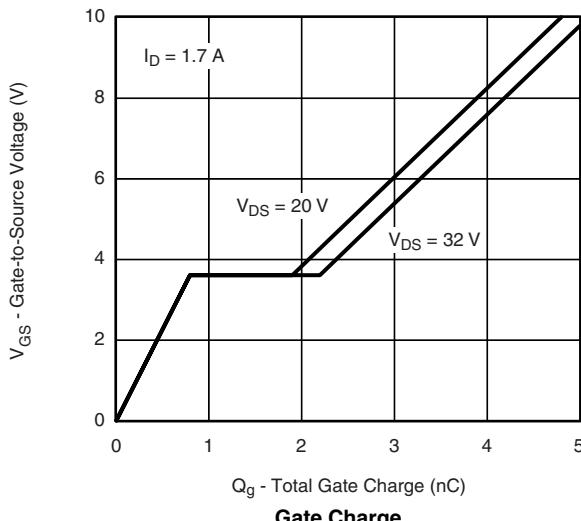
Transfer Characteristics



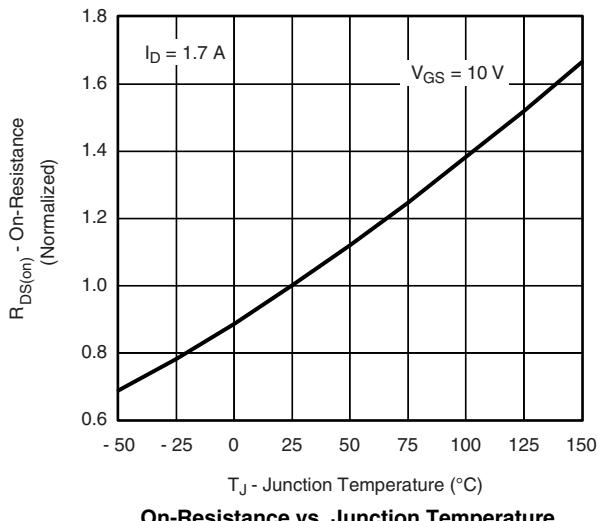
On-Resistance vs. Drain Current and Gate Voltage



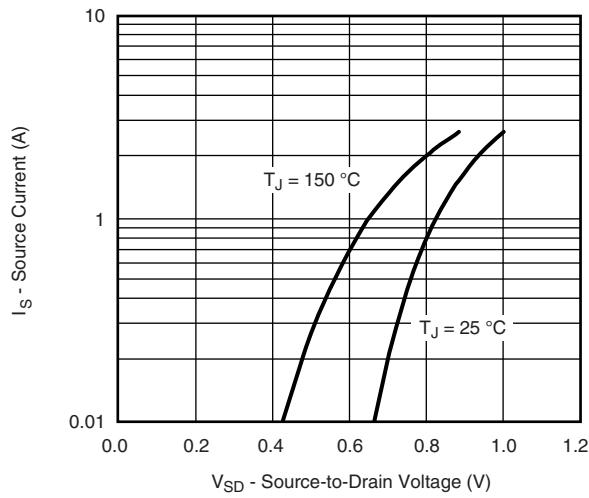
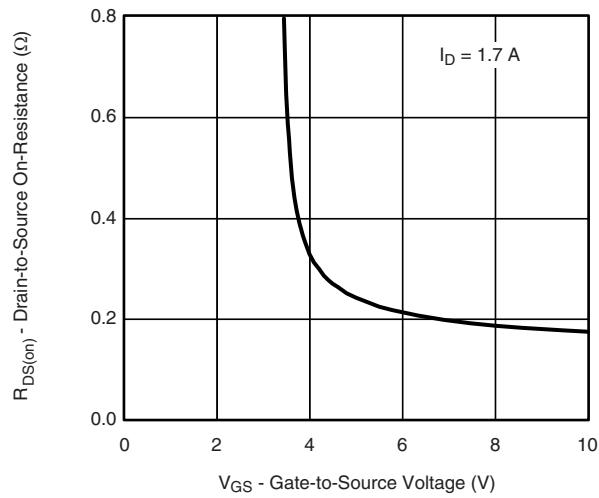
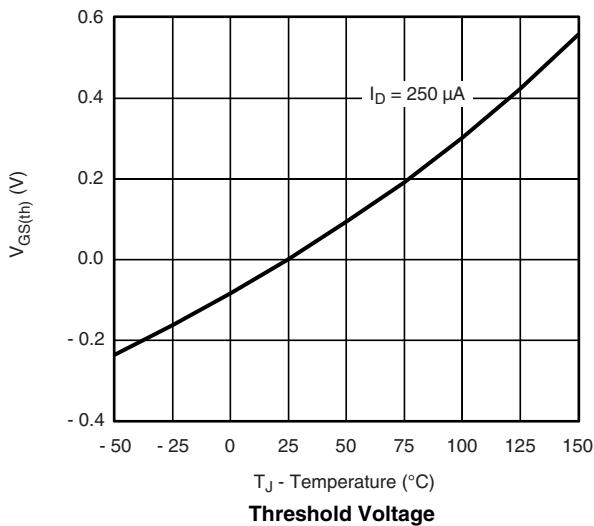
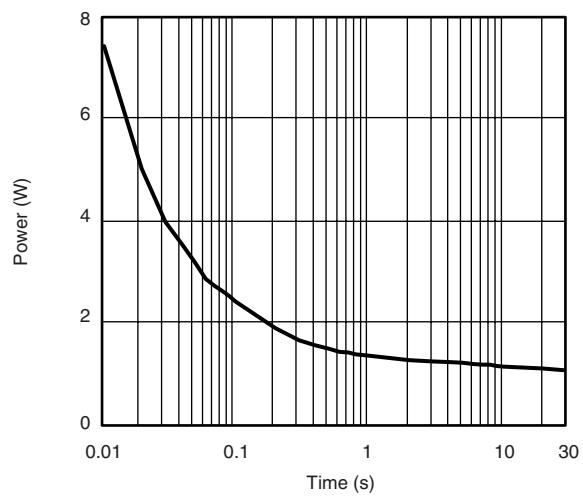
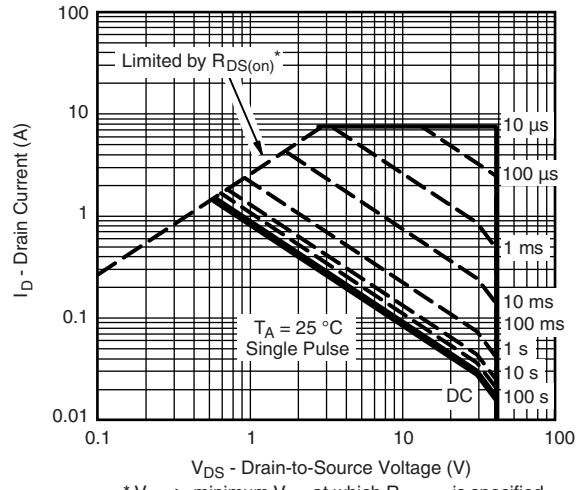
Capacitance

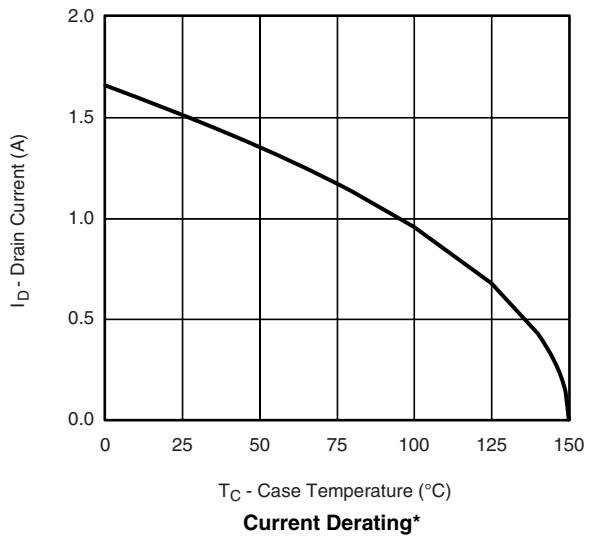
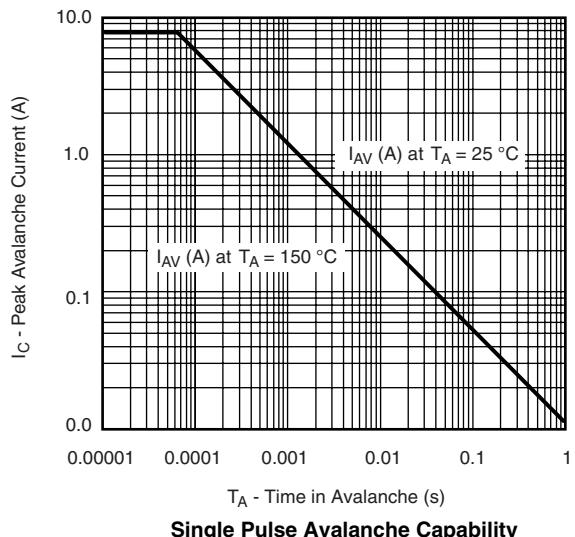
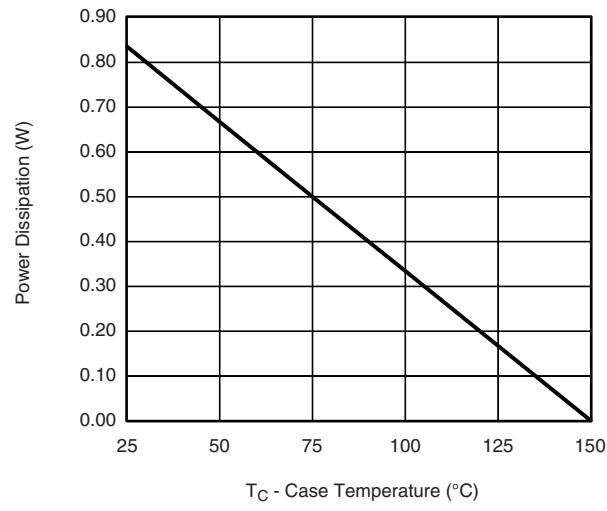


Gate Charge

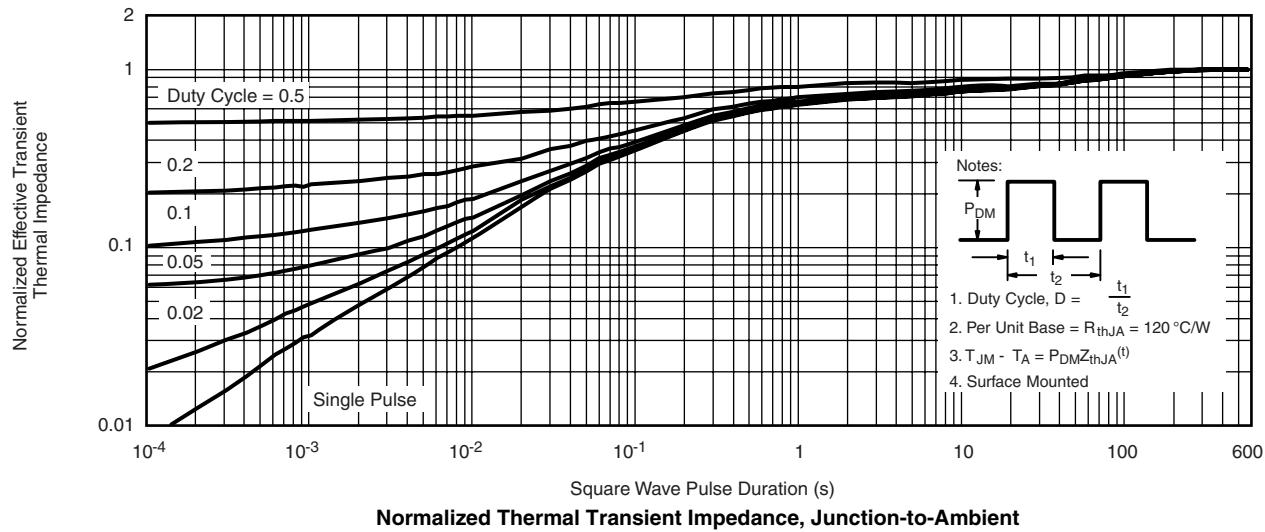
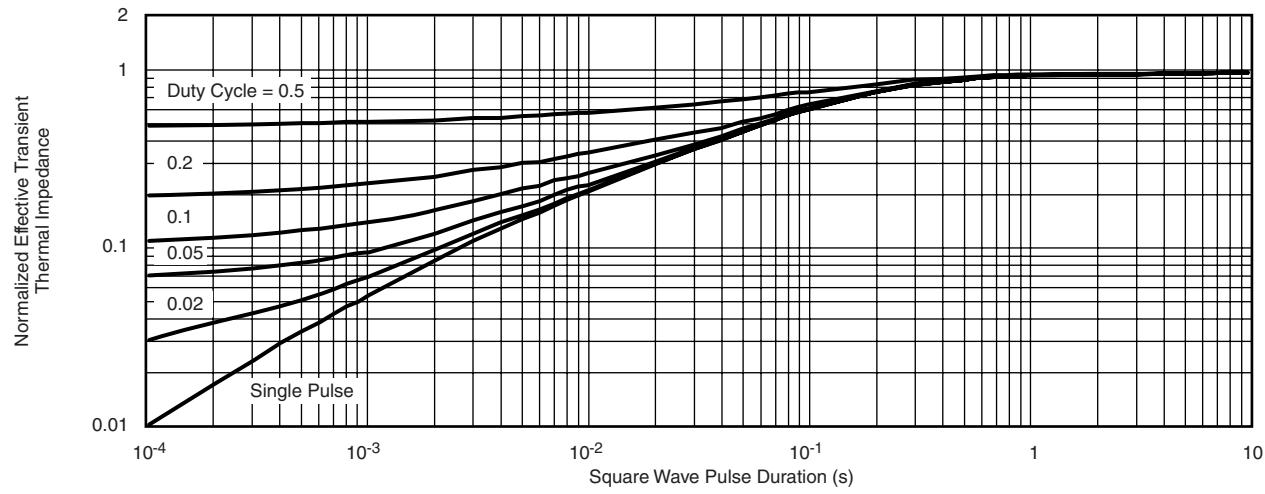


On-Resistance vs. Junction Temperature

**P-CHANNEL TYPICAL CHARACTERISTICS** 25 °C, unless otherwise noted

**Source-Drain Diode Forward Voltage**

**On-Resistance vs. Gate-to-Source Voltage**

**Threshold Voltage**

**Single Pulse Power, Junction-to-Ambient**

**Safe Operating Area, Junction-to-Ambient**

**P-CHANNEL TYPICAL CHARACTERISTICS** 25 °C, unless otherwise noted $T_C$  - Case Temperature (°C)**Current Derating\*** $T_A$  - Time in Avalanche (s)**Single Pulse Avalanche Capability** $T_C$  - Case Temperature (°C)**Power Derating, Junction-to-Ambient**

\* The power dissipation  $P_D$  is based on  $T_{J(\max)} = 150$  °C, using junction-to-case thermal resistance, and is more useful in settling the upper dissipation limit for cases where additional heatsinking is used. It is used to determine the current rating, when this rating falls below the package limit.

**P-CHANNEL TYPICAL CHARACTERISTICS** 25 °C, unless otherwise noted

**Normalized Thermal Transient Impedance, Junction-to-Ambient**

**Normalized Thermal Transient Impedance, Junction-to-Foot**

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