





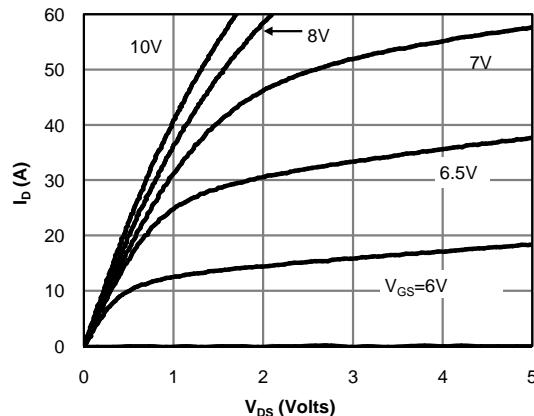
**TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS**


Fig 1: On-Region Characteristics (Note E)

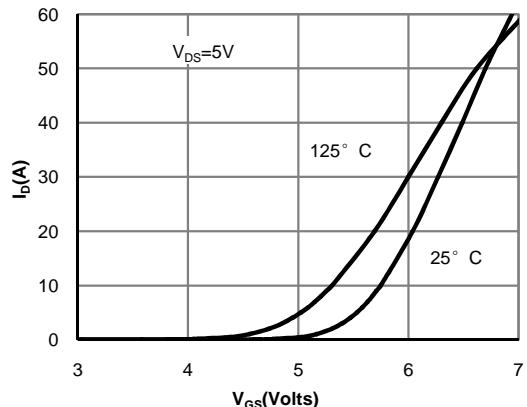


Figure 2: Transfer Characteristics (Note E)

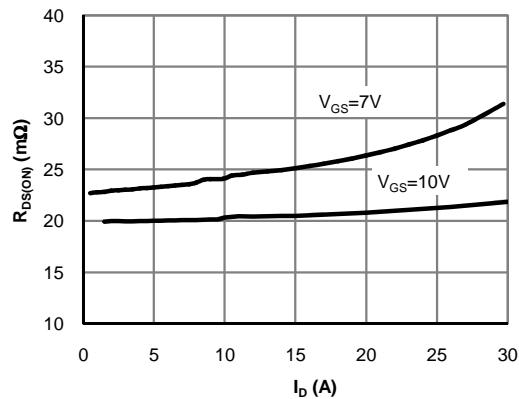


Figure 3: On-Resistance vs. Drain Current and Gate Voltage (Note E)

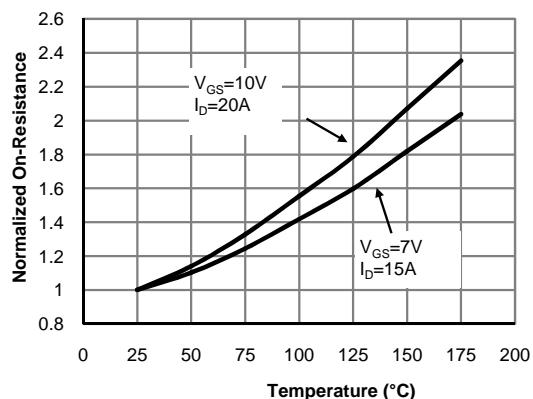


Figure 4: On-Resistance vs. Junction Temperature (Note E)

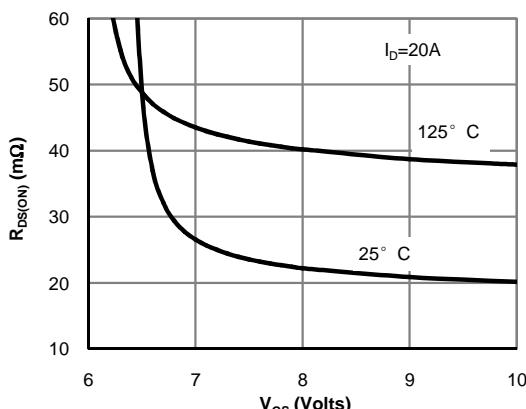


Figure 5: On-Resistance vs. Gate-Source Voltage (Note E)

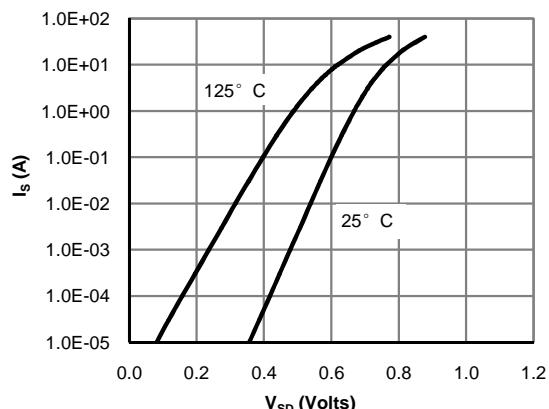
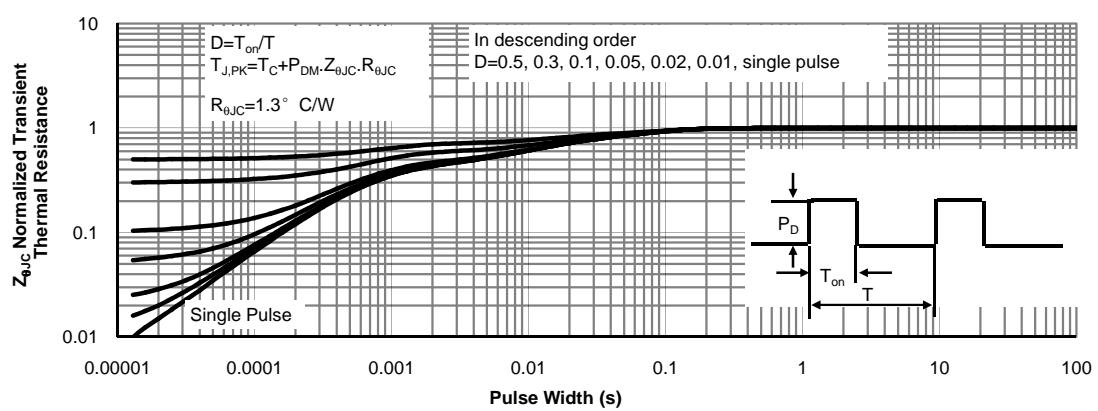
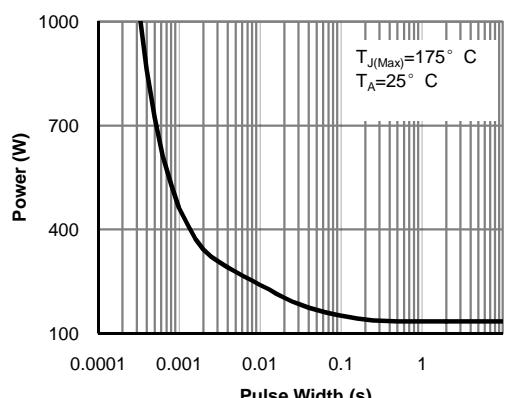
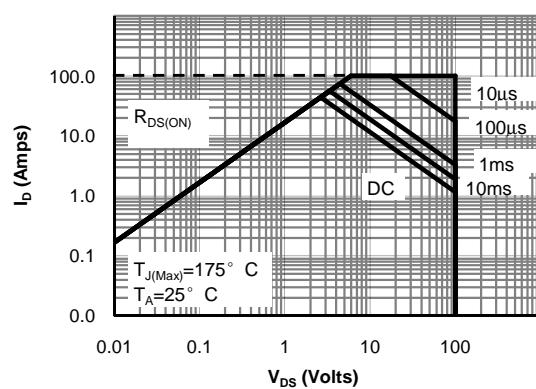
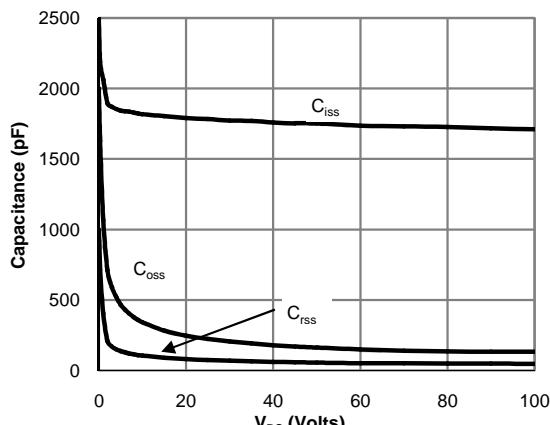
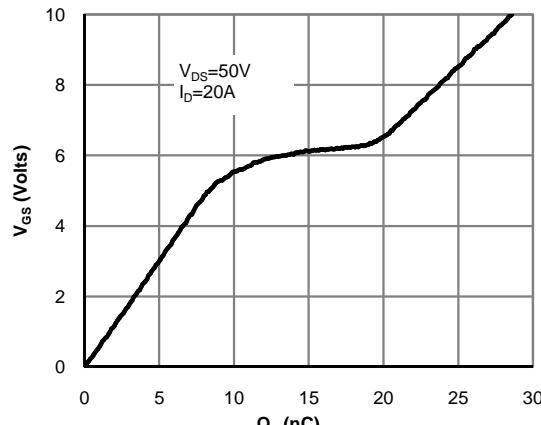
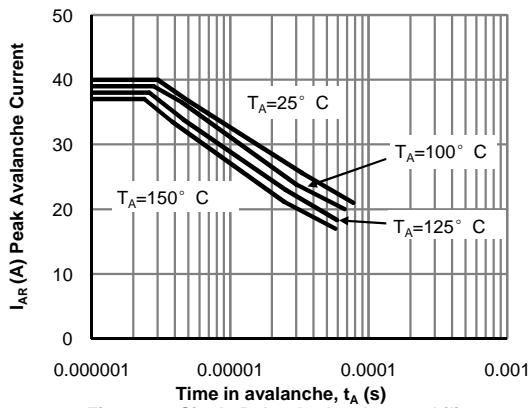
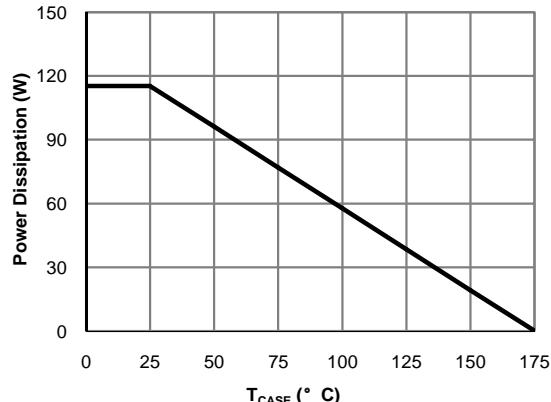
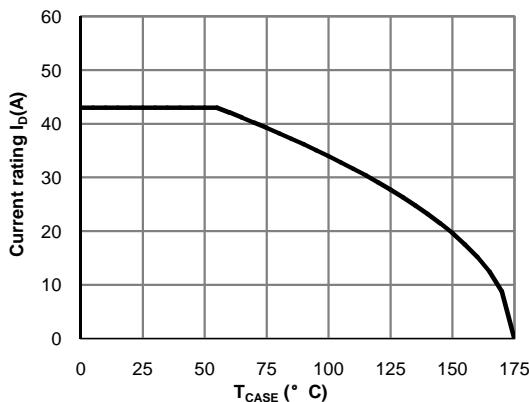
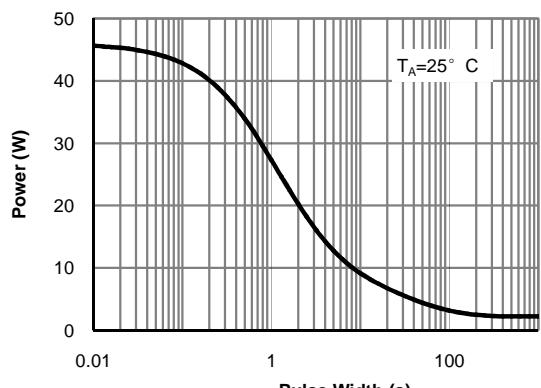
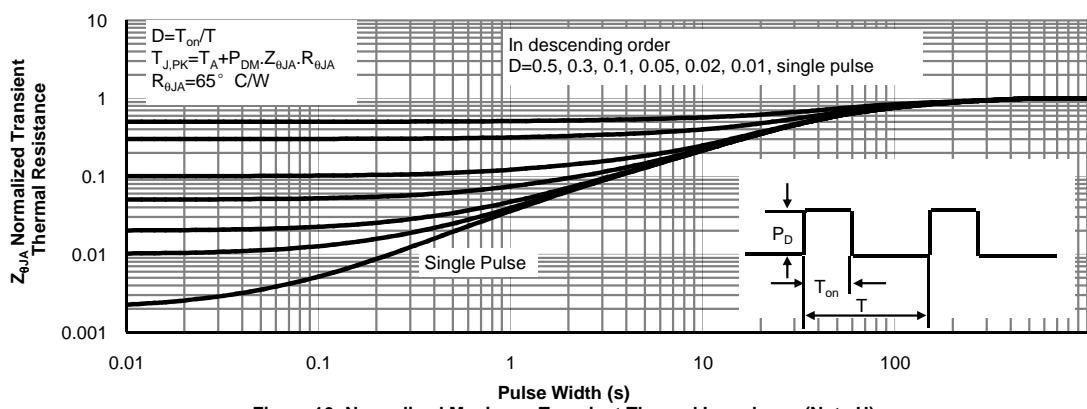
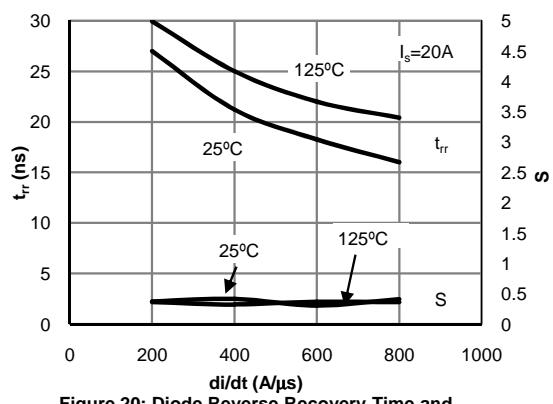
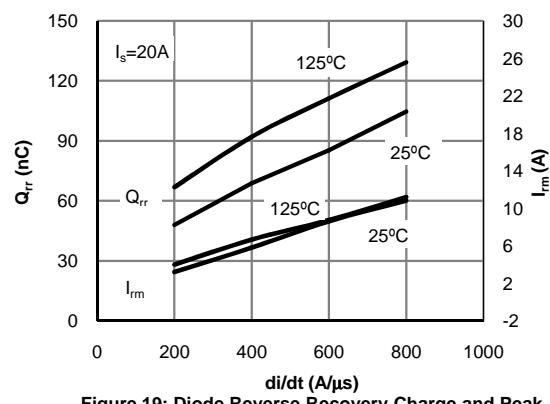
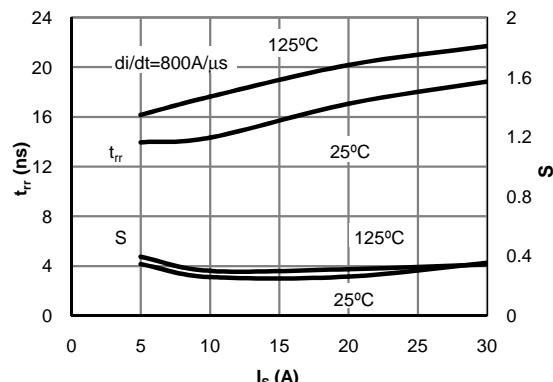
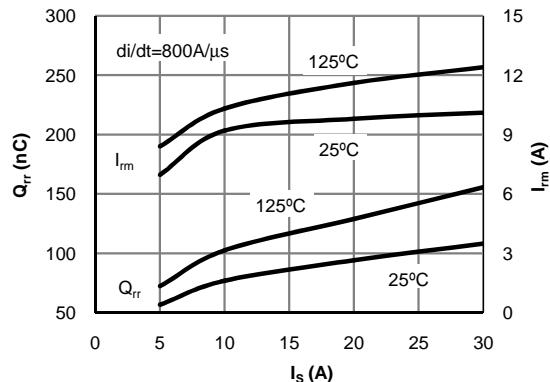
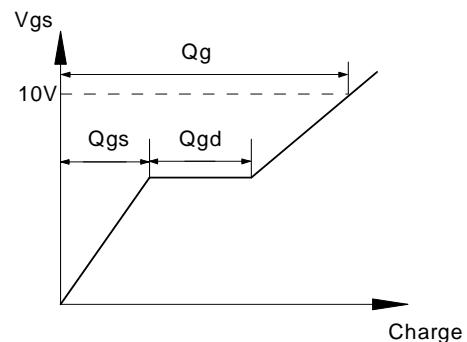
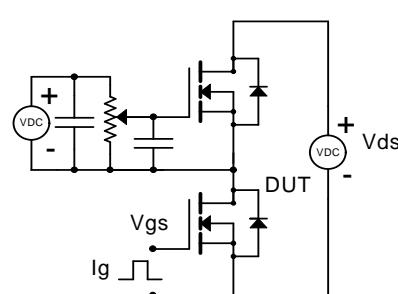
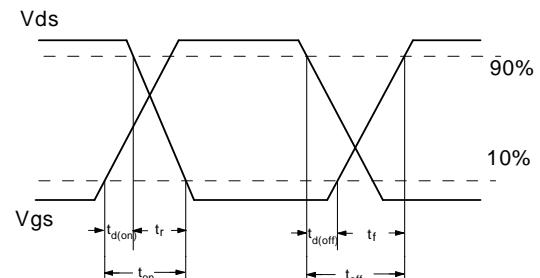
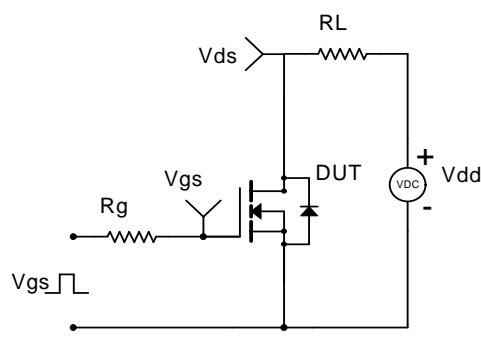
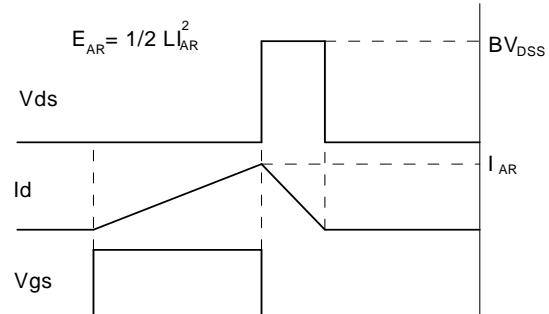
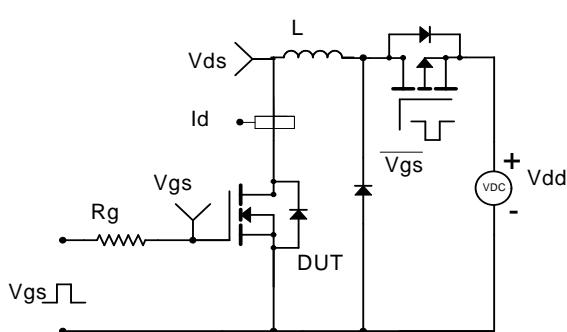


Figure 6: Body-Diode Characteristics (Note E)

**TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS**


**TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS**

**Figure 12: Single Pulse Avalanche capability (Note C)**

**Figure 13: Power De-rating (Note F)**

**Figure 14: Current De-rating (Note F)**

**Figure 15: Single Pulse Power Rating Junction-to-Ambient (Note H)**

**Figure 16: Normalized Maximum Transient Thermal Impedance (Note H)**

**TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS**


**Gate Charge Test Circuit & Waveform**

**Resistive Switching Test Circuit & Waveforms**

**Unclamped Inductive Switching (UIS) Test Circuit & Waveforms**

**Diode Recovery Test Circuit & Waveforms**
