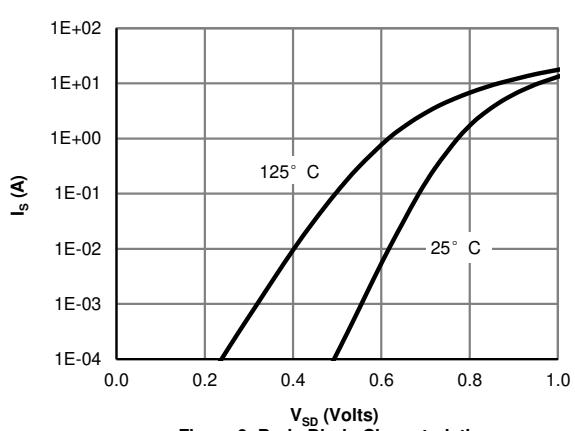
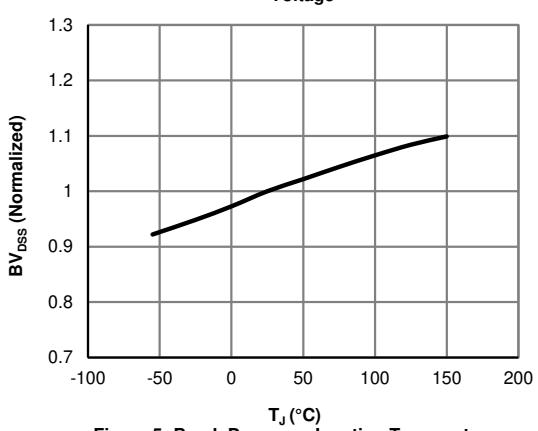
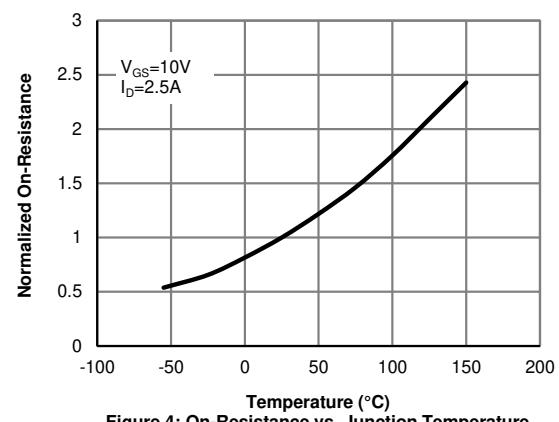
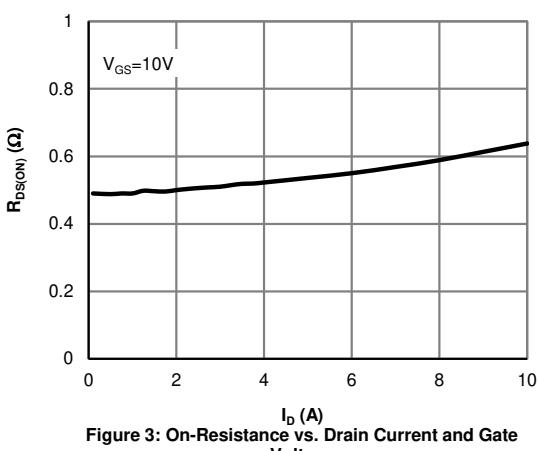
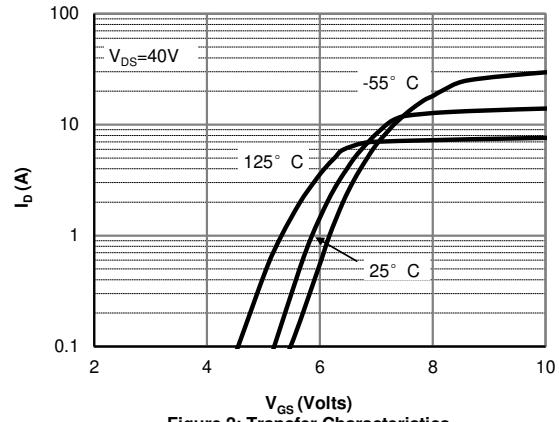
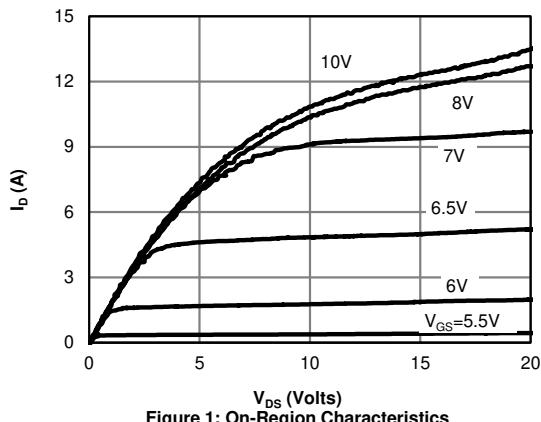
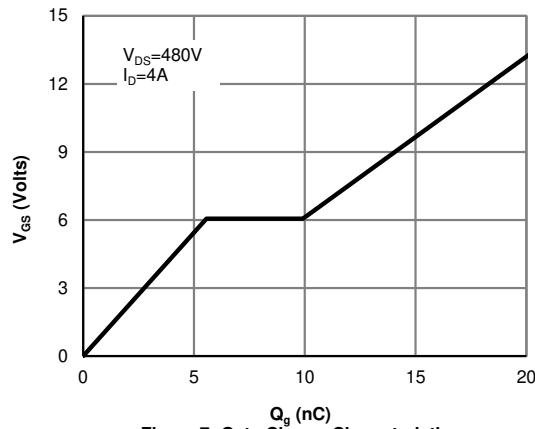
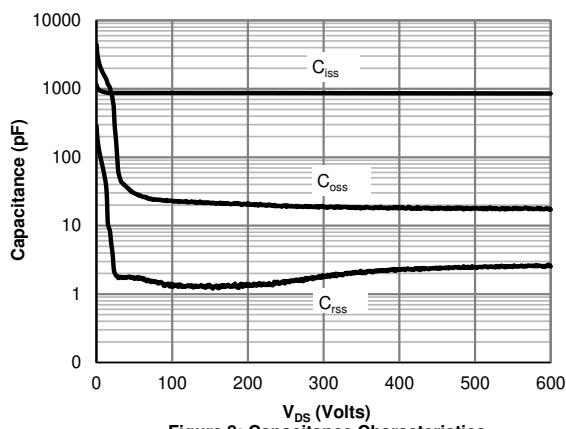
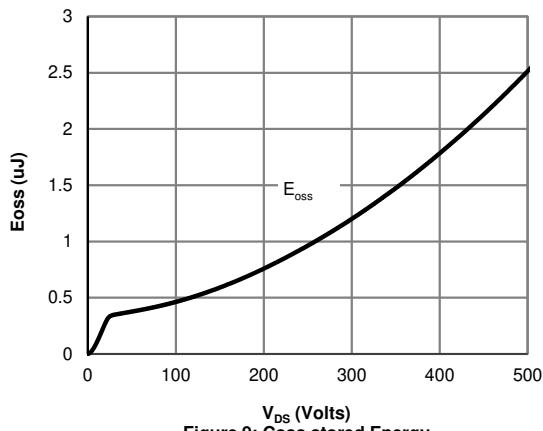
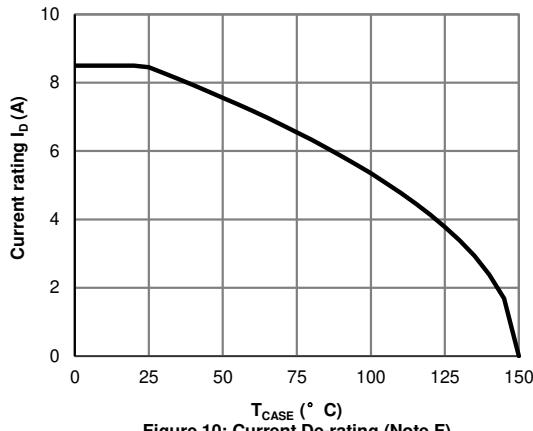
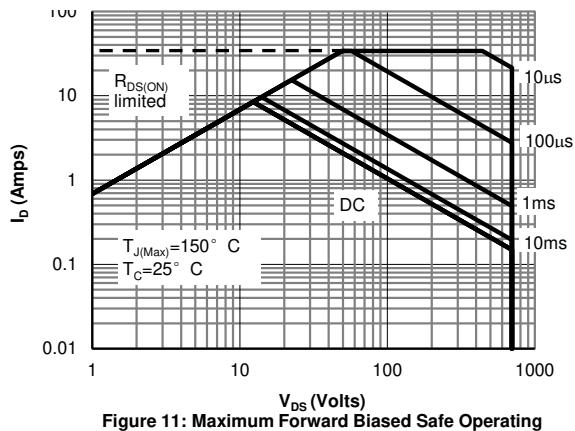






**TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS**


**TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS**

**Figure 7: Gate-Charge Characteristics**

**Figure 8: Capacitance Characteristics**

**Figure 9: Coss stored Energy**

**Figure 10: Current De-rating (Note F)**

**Figure 11: Maximum Forward Biased Safe Operating Area (Note F)**

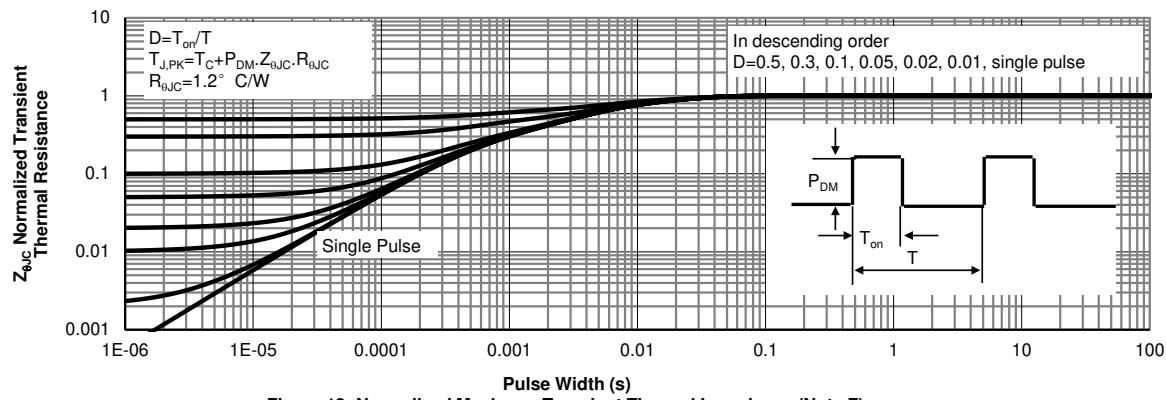
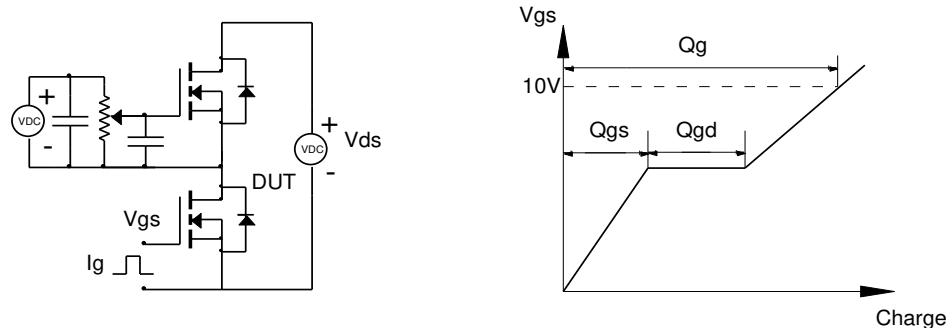
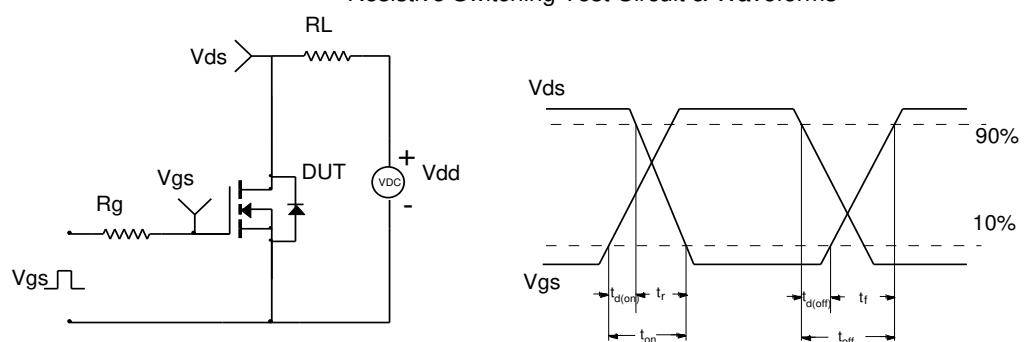
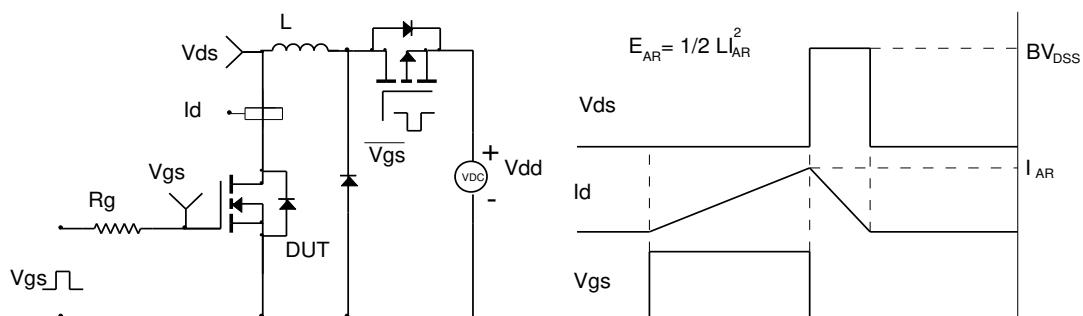
**TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS**


Figure 12: Normalized Maximum Transient Thermal Impedance (Note F)

**Gate Charge Test Circuit & Waveform**

**Resistive Switching Test Circuit & Waveforms**

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

**Diode Recovery Test Circuit & Waveforms**
