



TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS

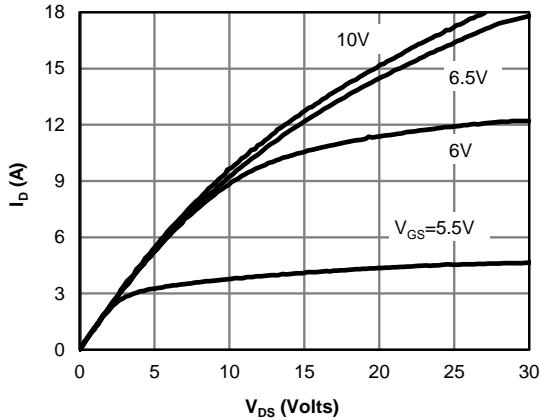


Fig 1: On-Region Characteristics

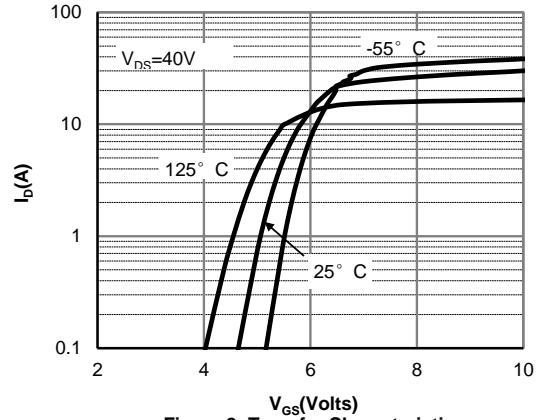


Figure 2: Transfer Characteristics

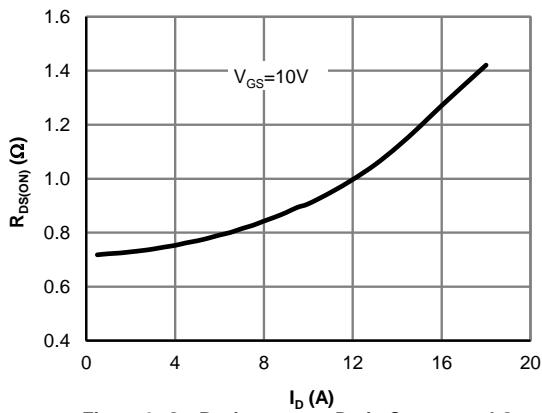


Figure 3: On-Resistance vs. Drain Current and Gate Voltage

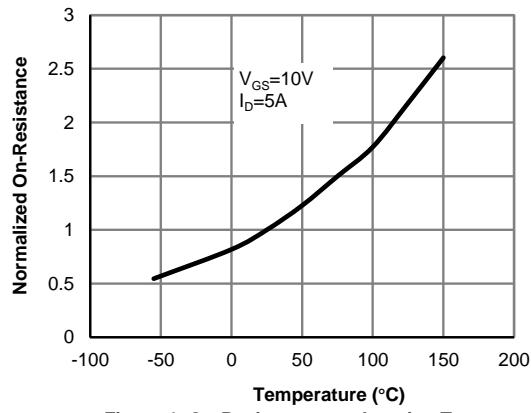


Figure 4: On-Resistance vs. Junction Temperature

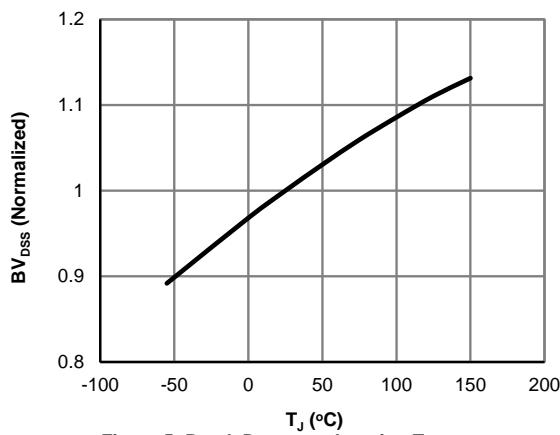


Figure 5: Break Down vs. Junction Temperature

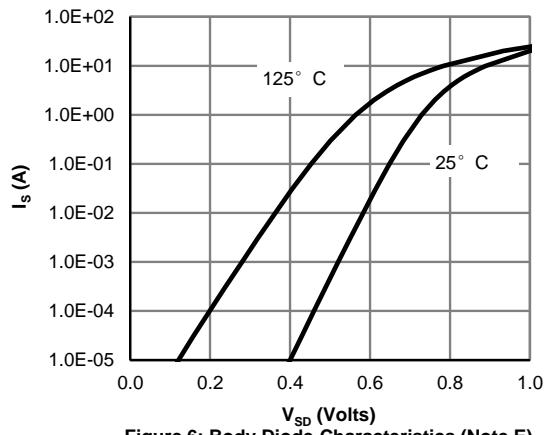
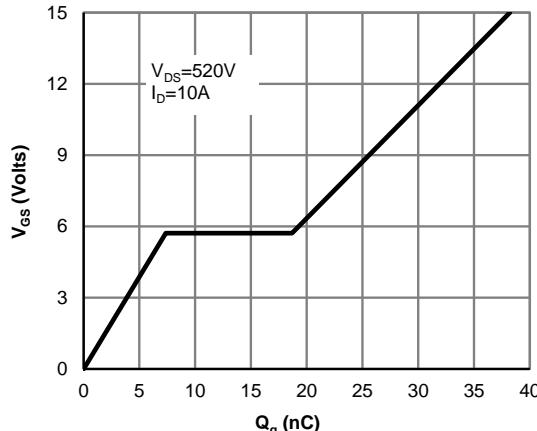
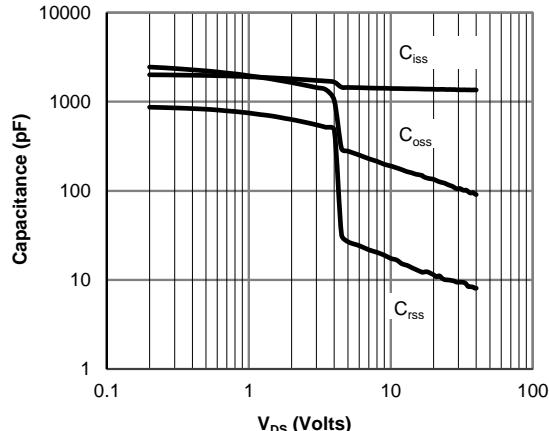
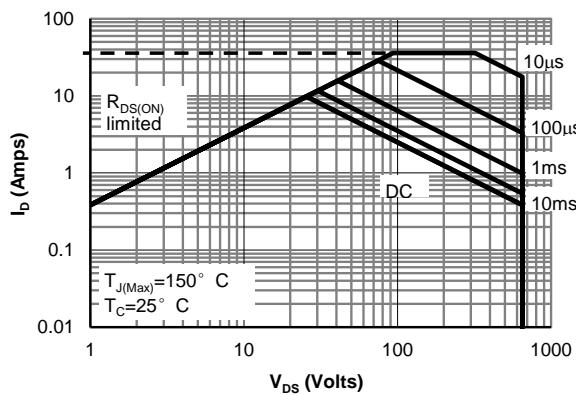
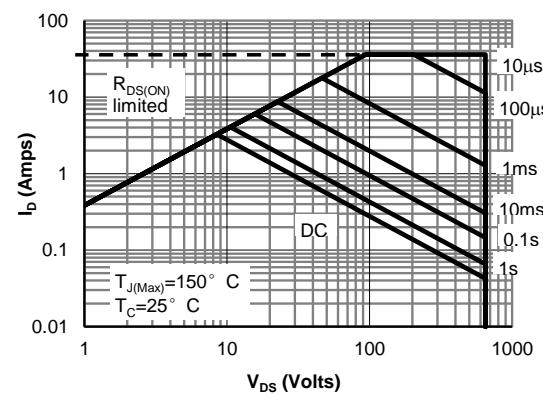
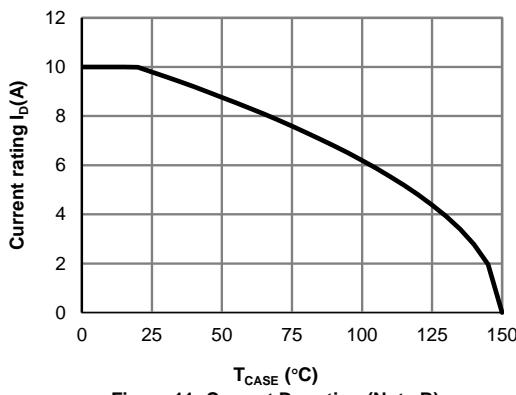


Figure 6: Body-Diode Characteristics (Note E)

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Figure 7: Gate-Charge Characteristics

Figure 8: Capacitance Characteristics

Figure 9: Maximum Forward Biased Safe Operating Area for AOW10N65 (Note F)

Figure 10: Maximum Forward Biased Safe Operating Area for AOWF10N65 (Note F)

Figure 11: Current De-rating (Note B)

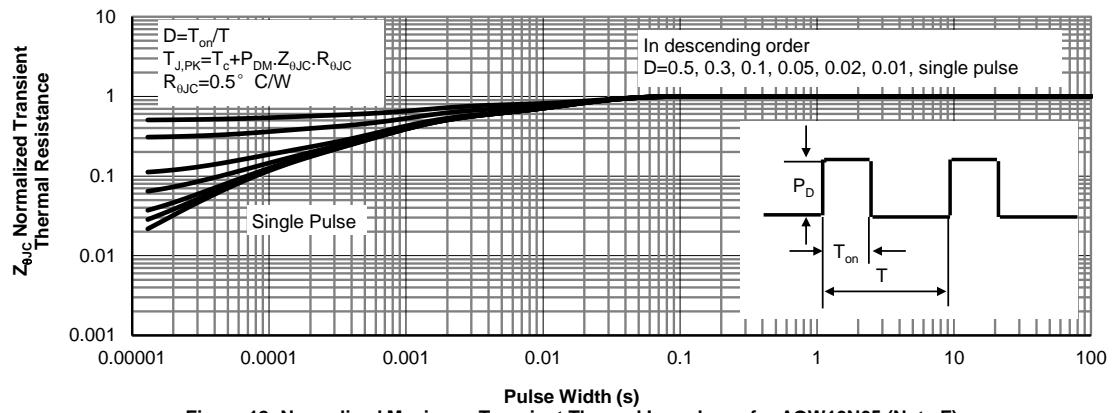
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Figure 12: Normalized Maximum Transient Thermal Impedance for AOW10N65 (Note F)

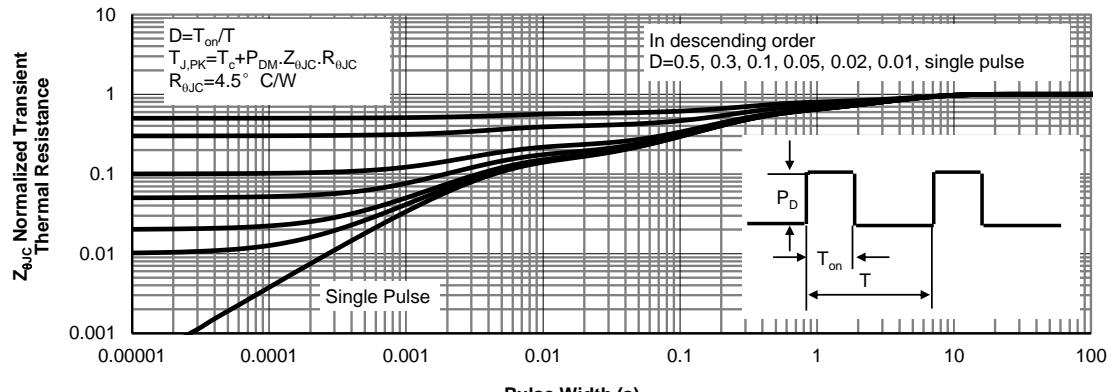
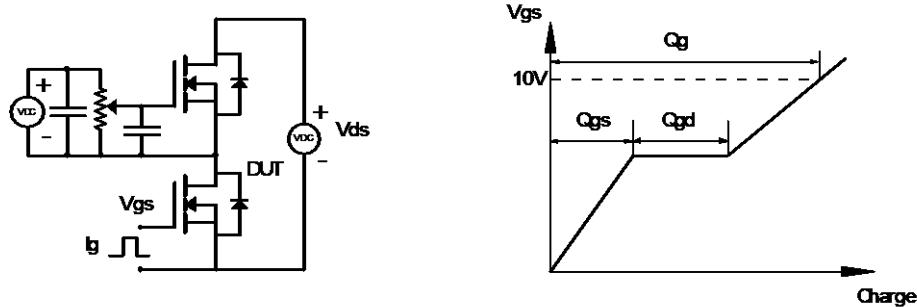
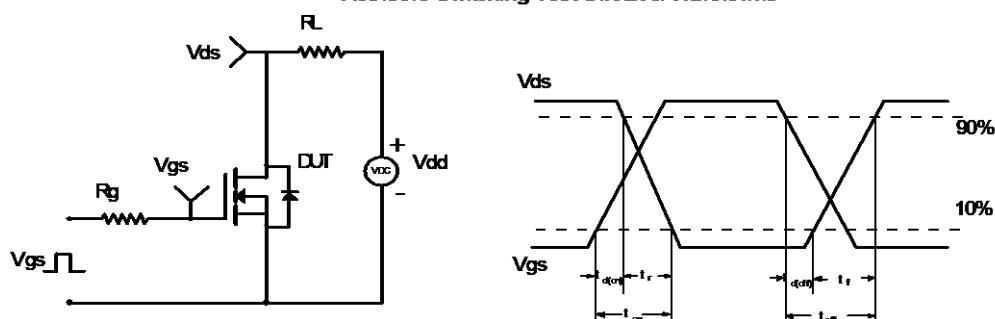
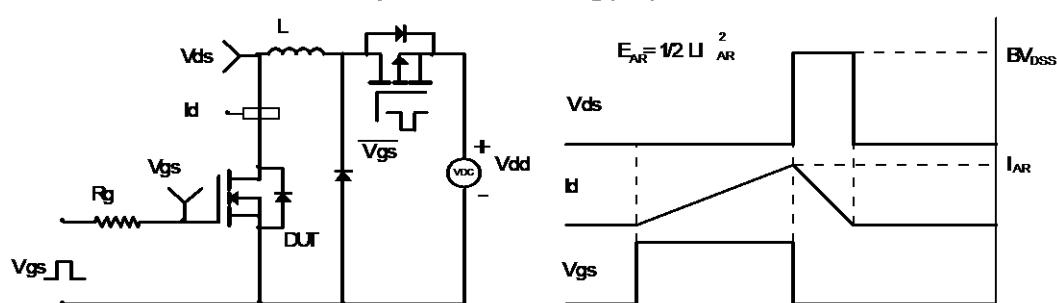


Figure 13: Normalized Maximum Transient Thermal Impedance for AOWF10N65 (Note F)

Gate Charge Test Circuit & Waveform

Resistive Switching Test Circuit & Waveforms

Unclamped Inductive Switching (UIS) Test Circuit & Waveforms

Diode Recovery Test Circuit & Waveforms
