



Electrical Characteristics ($T_J = 25^\circ\text{C}$ unless otherwise specified)

| Symbol | Conditions | Min. | Typ. | Max. | Unit |
|----------------------------|------------|------|------|------|------|
| Off Characteristics | | | | | |

$V_{(BR)}$

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Typical Performance Characteristics

Figure 1: Power De-rating

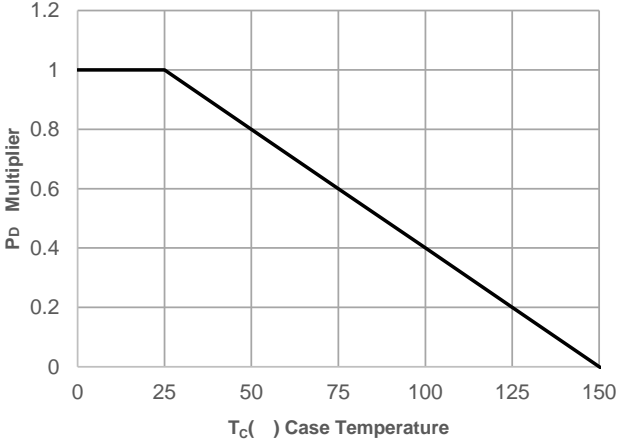
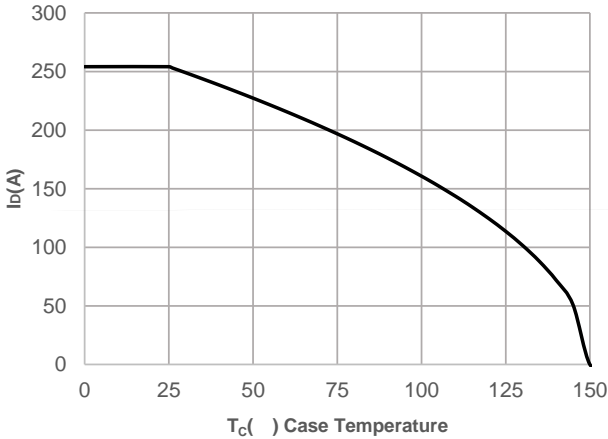
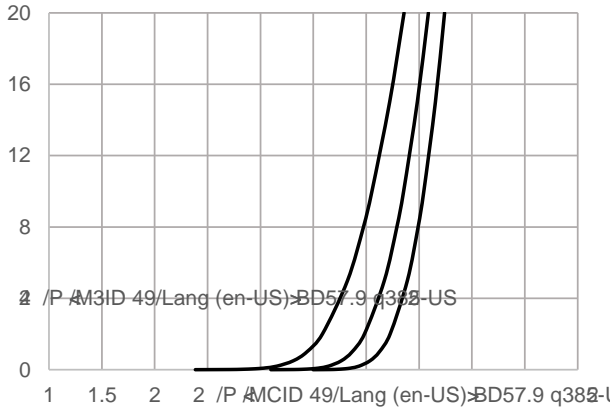
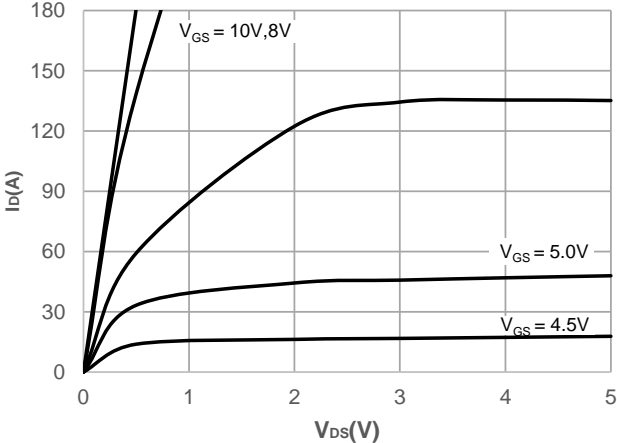


Figure 2: Current De-



Typical Performance Characteristics

Figure 5: Output Characteristics



Typical Performance Characteristics

Test Circuit



Figure 1: Gate Charge Test Circuit & Waveform

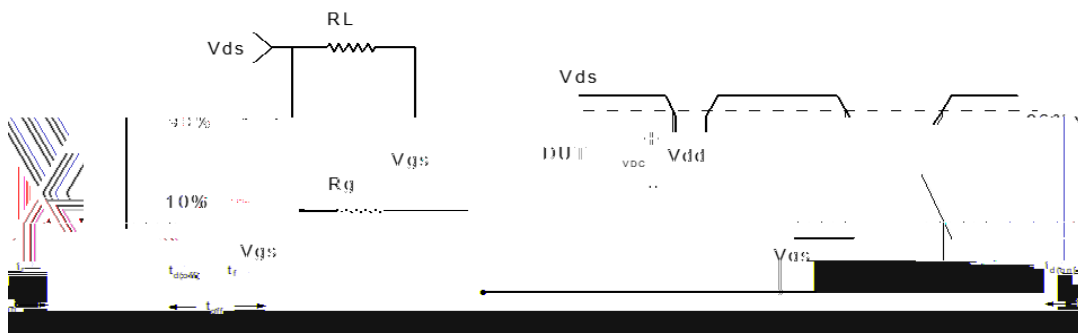


Figure 2: Resistive Switching Test Circuit & Waveform

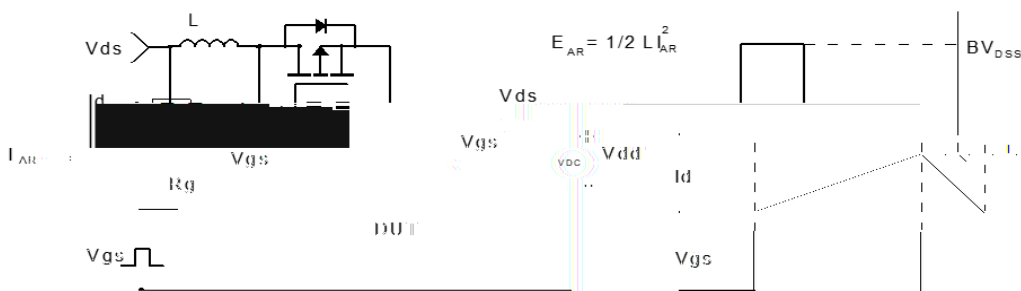


Figure 3: Unclamped Inductive Switching Test Circuit & Waveform

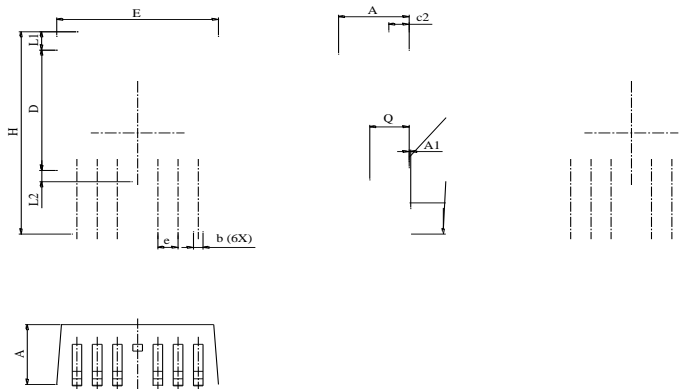


Figure 4: Diode Recovery Test Circuit & Waveform





Package Mechanical Data(TO-263-7L)



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| | | | |
| | | | |
| | | | 15.88 |
| L | 1.78 | 2.32 | 2.80 |
| L1 | | 1.36 REF. | |
| L2 | | 1.20 REF. | |
| L3 | | 0.25 BSC | |
| Q | 2.30 | 2.48 | 2.70 |

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