Typical Electrical and Thermal Characteristics Diagrams

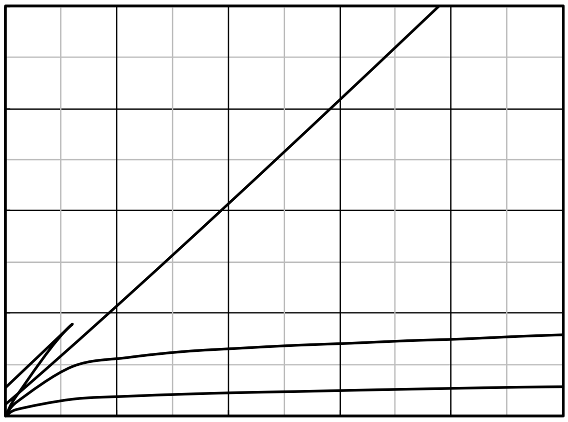


Figure 1. Output Characteristics

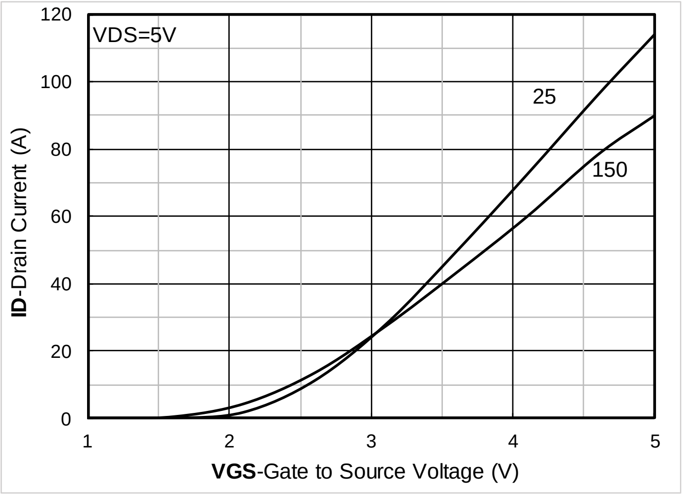


Figure 2. Transfer Characteristics

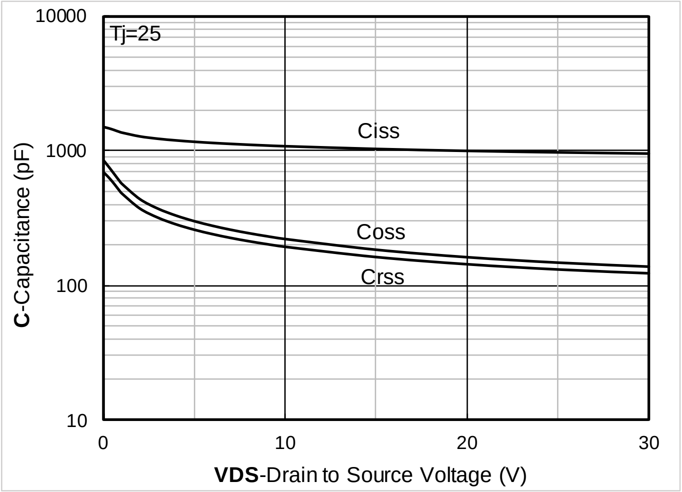


Figure 3. Capacitance Characteristics

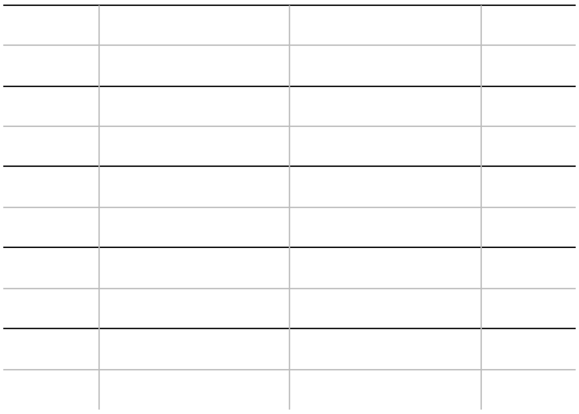


Figure 4. Gate Charge

Figure 5. On-Resistance vs Gate to Source Voltage

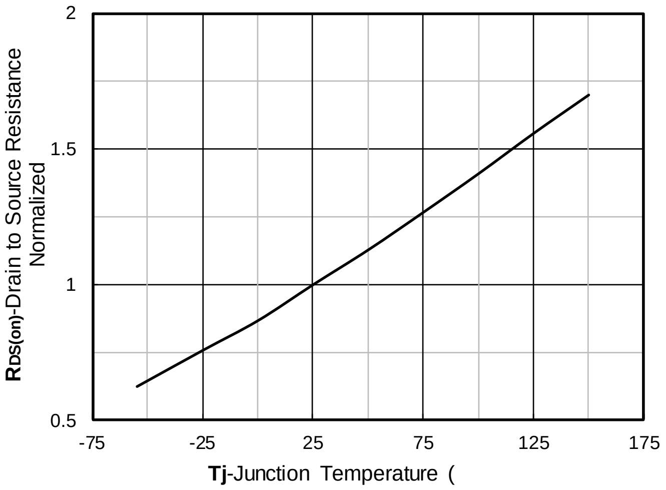


Figure 6. Normalized On-Resistance

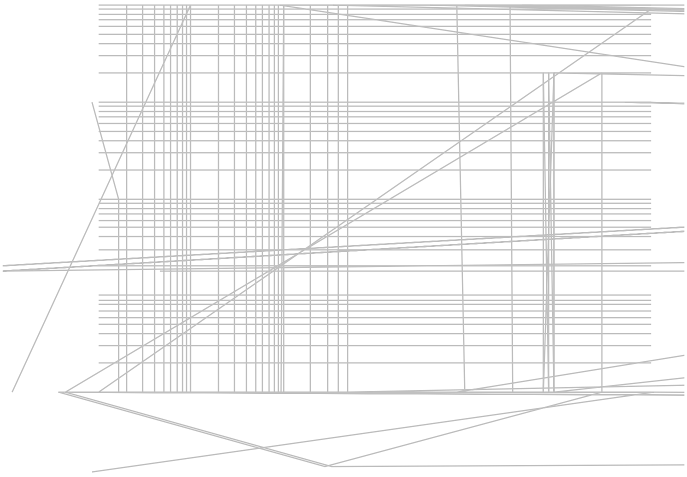


Figure 13. Maximum Transient Thermal Impedance

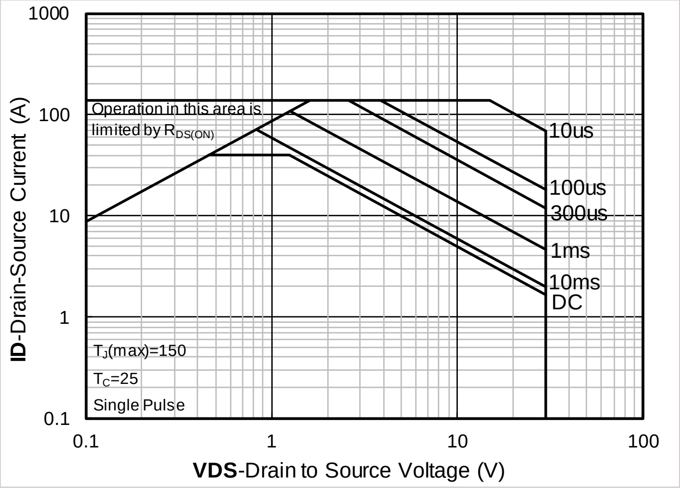


Figure 14. Safe Operation Area

■ Test Circuits & Waveforms

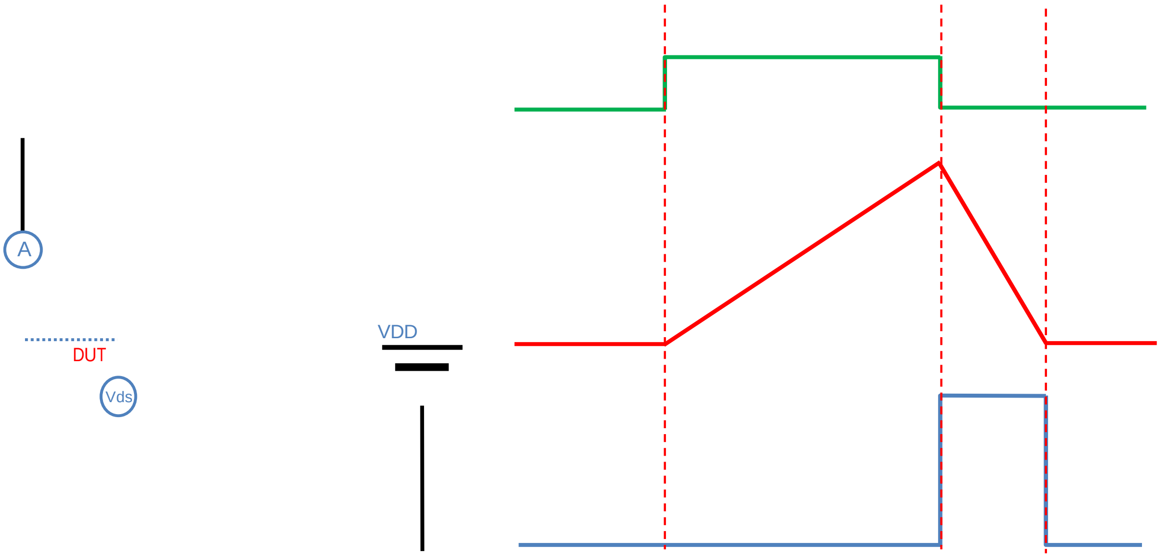


Figure A. Unclamped Inductive Switching (UIS) Test Circuit & Waveform

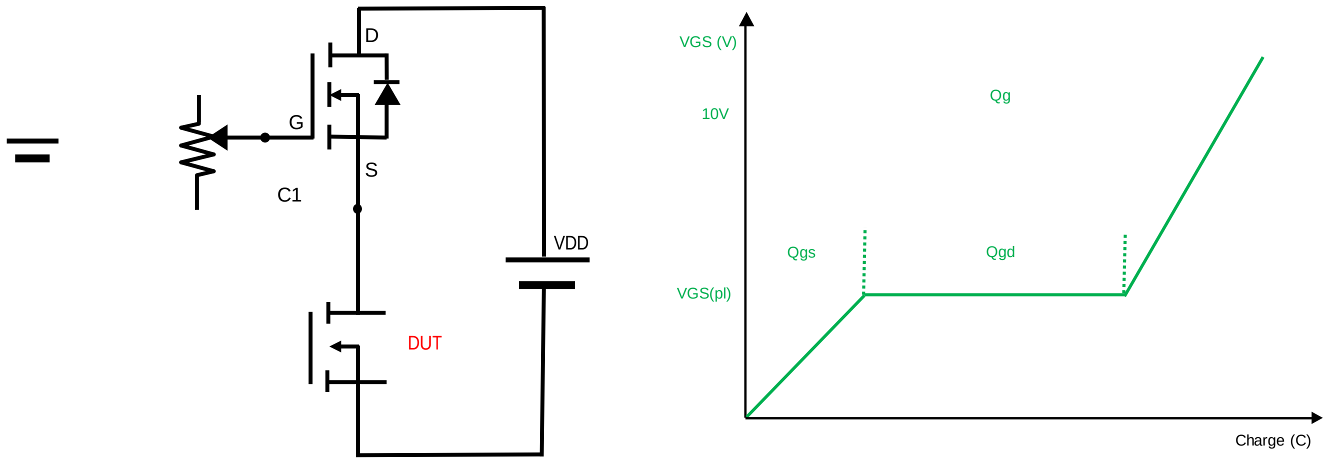


Figure B. Gate Charge Test Circuit & Waveform

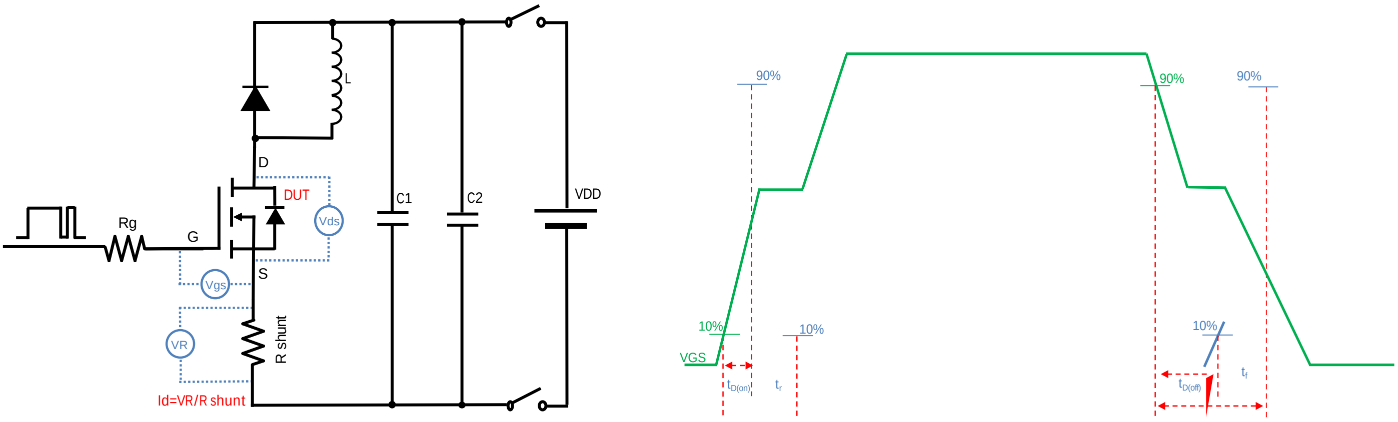


Figure C. Resistive Switching Test Circuit & Waveform

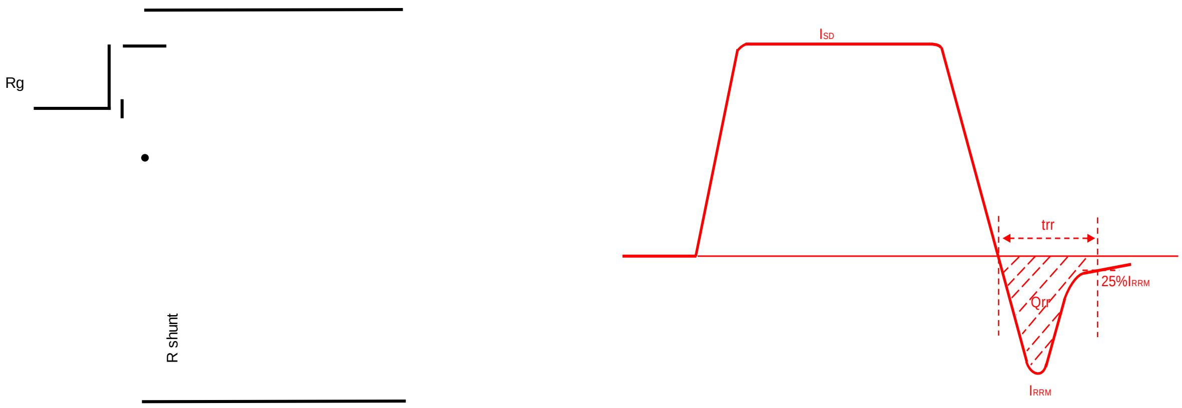
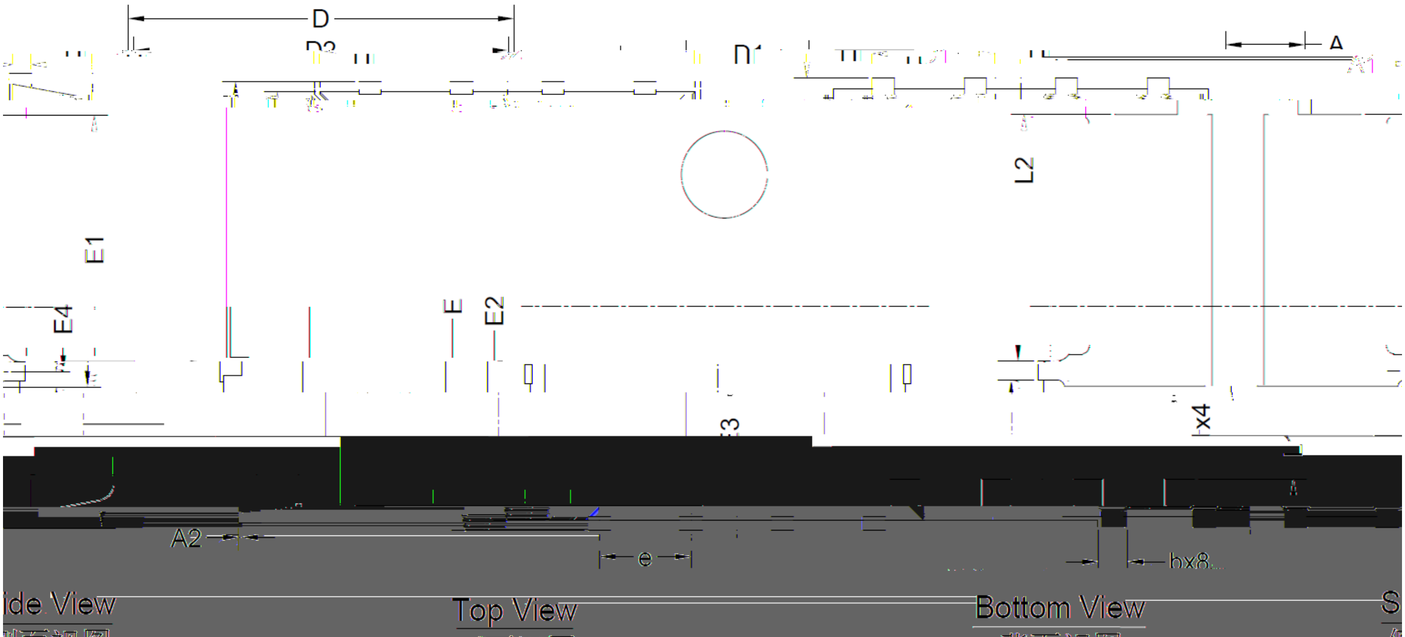


Figure D. Diode Recovery Test Circuit & Waveform

■ PDFN5060-8L-E-1.1mm Package information



A	1.00	1.10	1.20
A1	0.254 BSC		
A2			0.10
D1	1.50	1.70	1.90
E1	3.52	3.72	3.92
[illegible]	[illegible]	[illegible]	[illegible]
E2	5.66	5.86	6.06
E3	0.254REF		
E4	0.21REF		
[illegible]	0.56	0.66	0.76
L2	0.50 BSC		
e	1.27 BSC		

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-