

Typical Electrical and Thermal Characteristic Curves

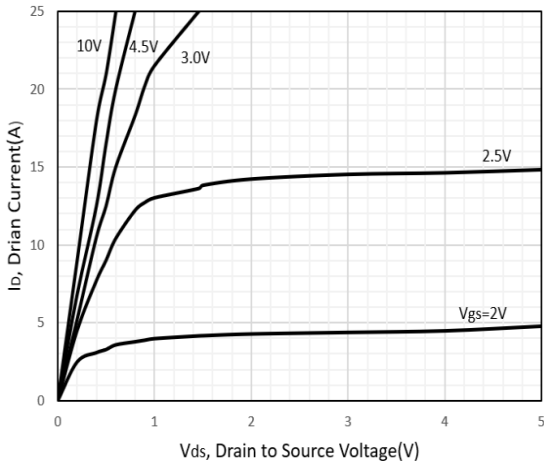


Figure 1. Typical Output Characteristics

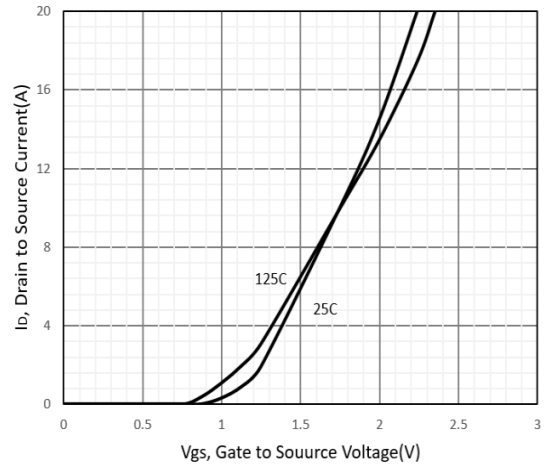


Figure 2. Transfer Characteristics

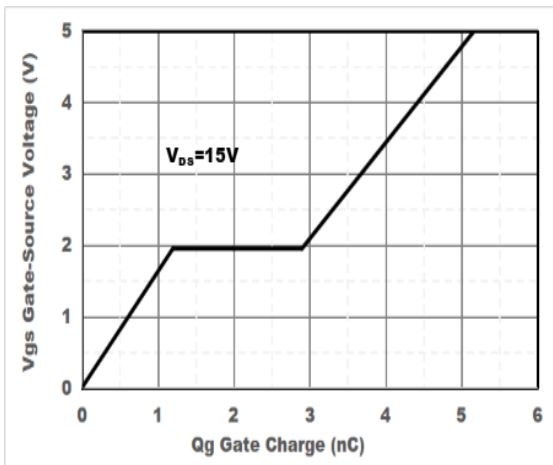


Figure 3. Gate Charge.

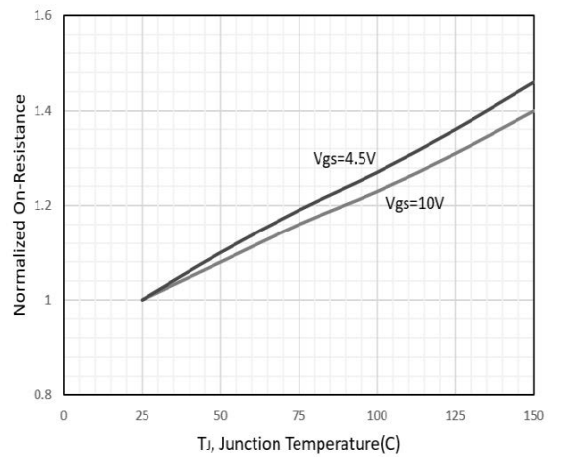


Figure 4. Normalized On-Resistance Vs. Junction Temperature

Typical Electrical and Thermal Characteristic Curves

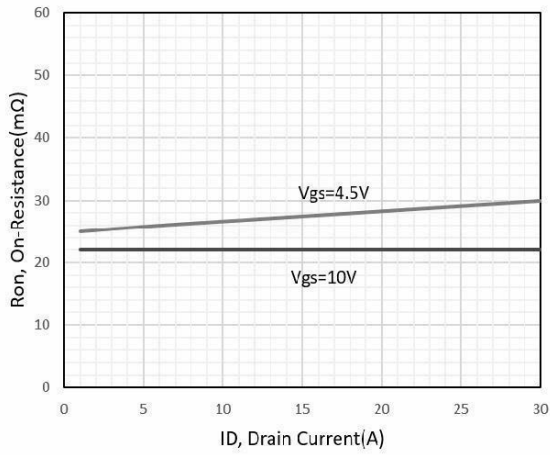


Figure 5. Drain-Source On-Resistance

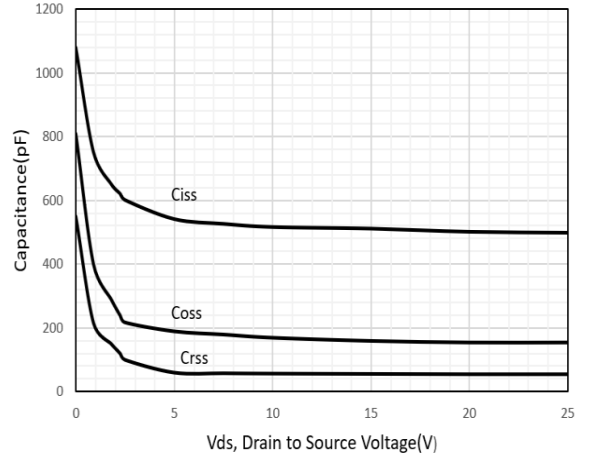


Figure 6. Typical Capacitance Vs. Drain-to-Source Voltage

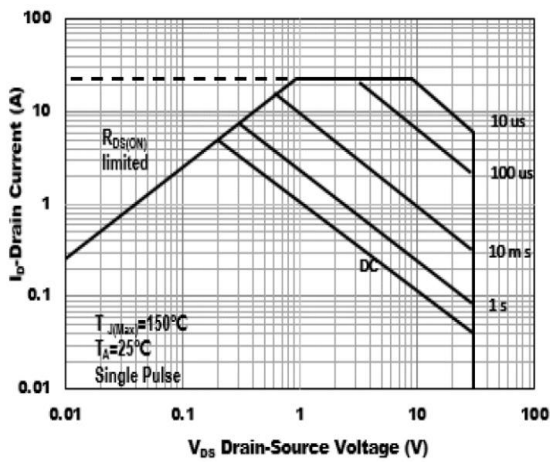


Figure 7. Safe Operation Area

Test Circuit & Waveform

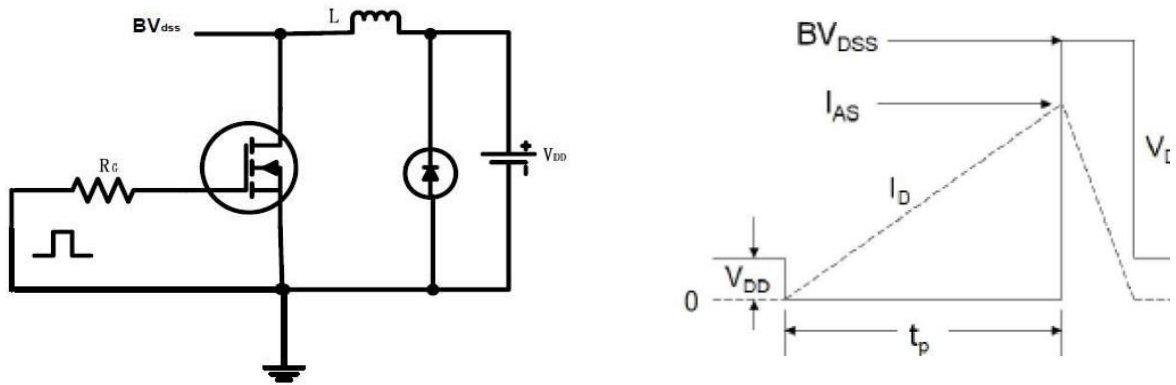


Figure 8. Unclamped Inductive Switching Test Circuit & Waveforms

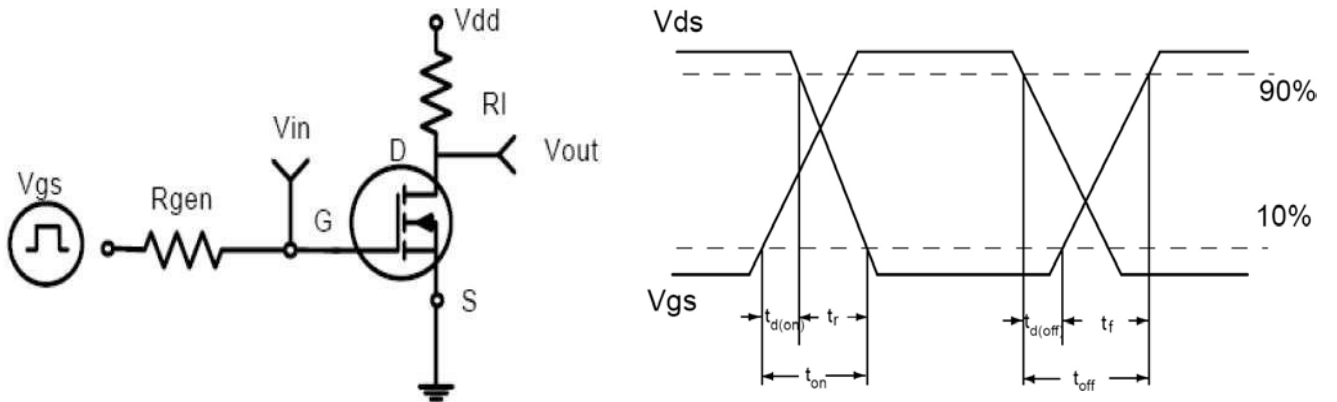


Figure 9. Resistive Switching Test Circuit & Waveforms

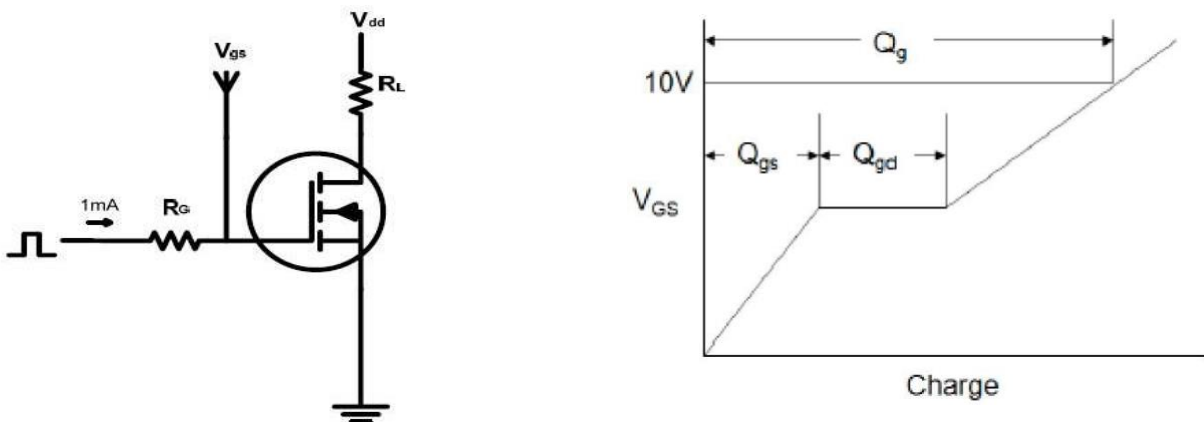
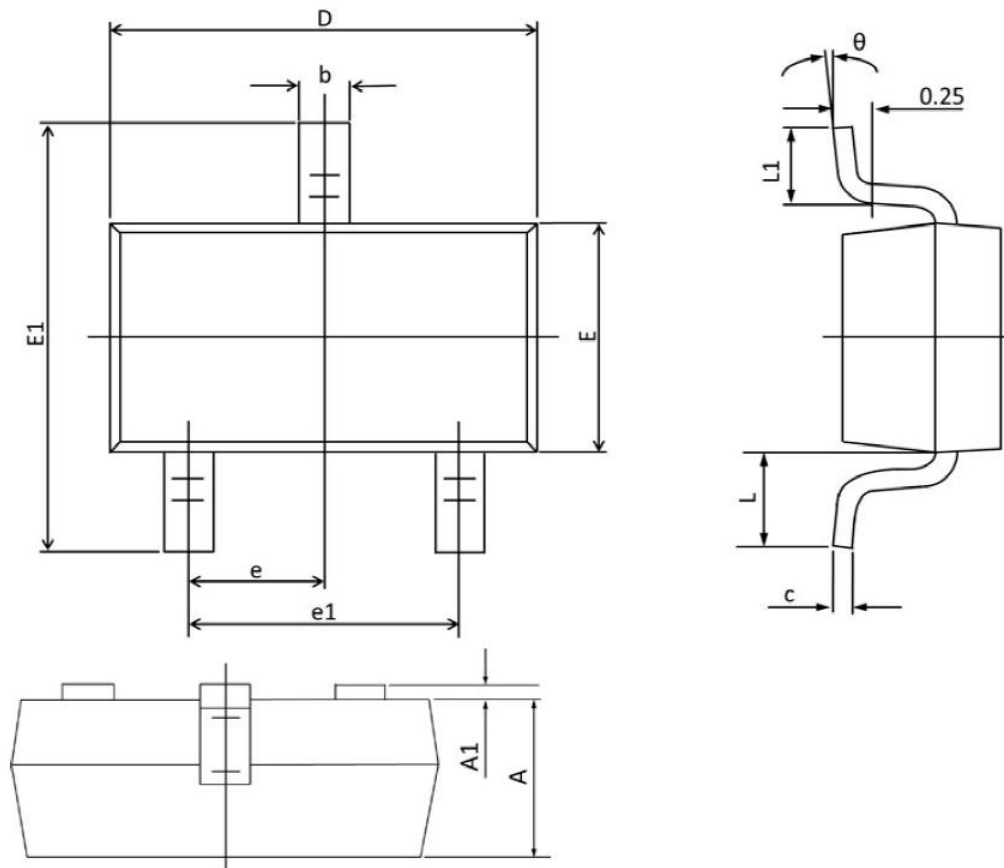


Figure 10. Gate Charge Test Circuit & Waveform

Package Outline Dimensions SOT-23



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.000	0.035	0.039
A1	0.000	0.100	0.000	0.004
b	0.300	0.500	0.012	0.020
c	0.090	0.110	0.003	0.004
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950 TYP.		0.037 TYP.	
e1	1.800	2.000	0.071	0.079
L	0.550 REF.		0.022 REF.	
L1	0.300	0.500	0.012	0.020
θ	1°	7°	1°	7°