	Value	Unit
	-30	V
	-1.7	V
	-11	A
	12	m :
	16	m :

	Marking	MSL	Form	Reel(pcs)	Per Carton (pcs)
	160P03D	3	Tape&Reel	4000	48000

Symbol			Unit
V_{DS}			V
V_{GS}			V
		T_A = 25℃	
		T_A = 100℃	
I_{DM}			A
E_{AS}			mJ
		T_A = 25℃	
		T_A = 100℃	
T_J, T_{STG}			℃

Symbol			Unit
R $_{-\$}$			
R $_{-\$}$			

Typical Performance Characteristics

Figure 1: Power De-rating

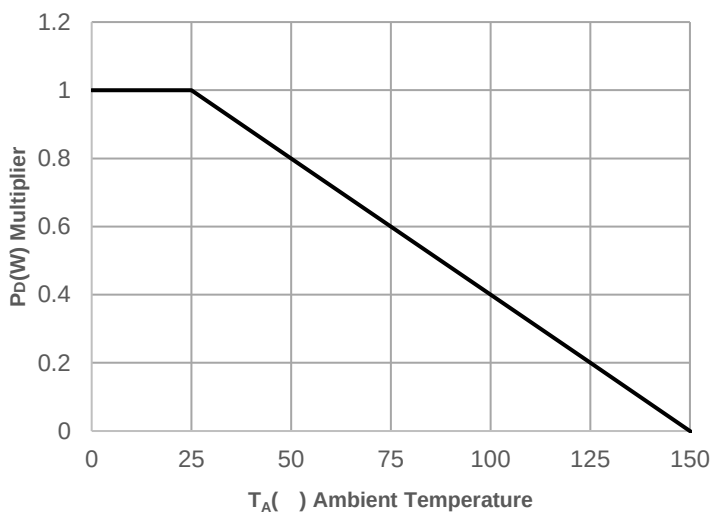
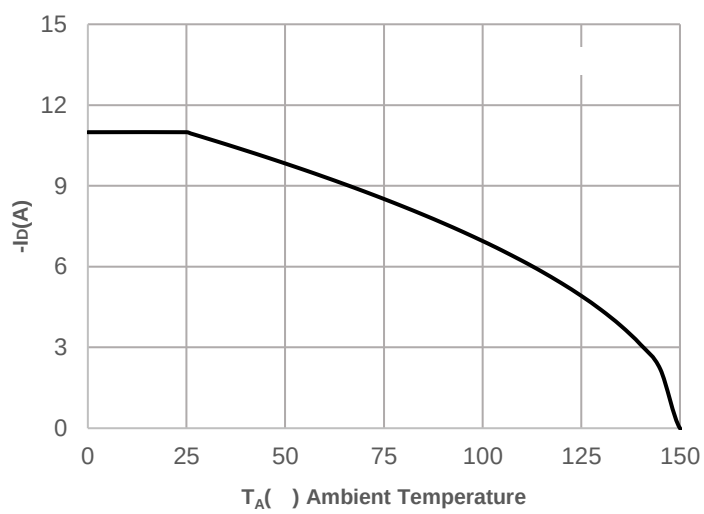


Figure 2: Current De-rating



Typical Performance Characteristics

Figure 5: Output Characteristics

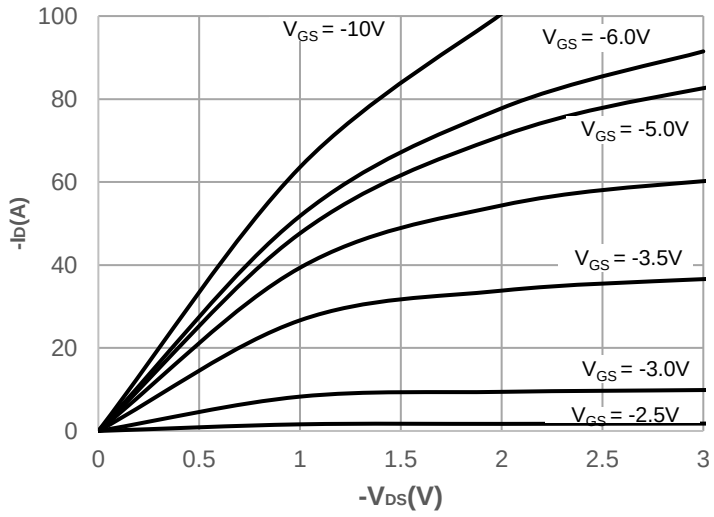


Figure 6: Typical Transfer Characteristics

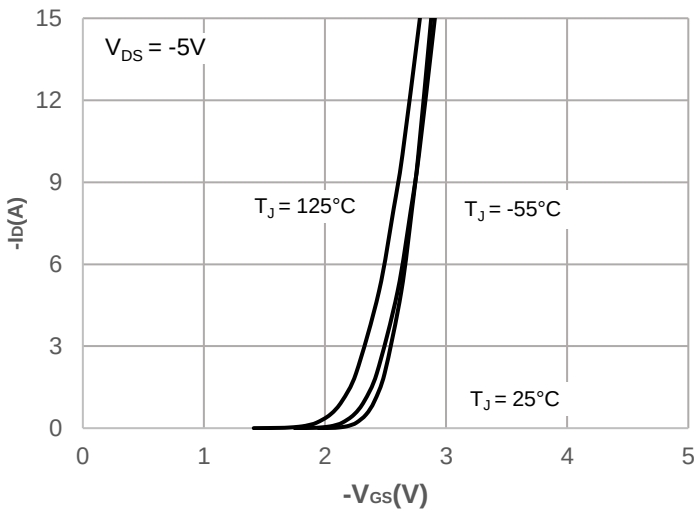


Figure 7: On-resistance vs. Drain Current

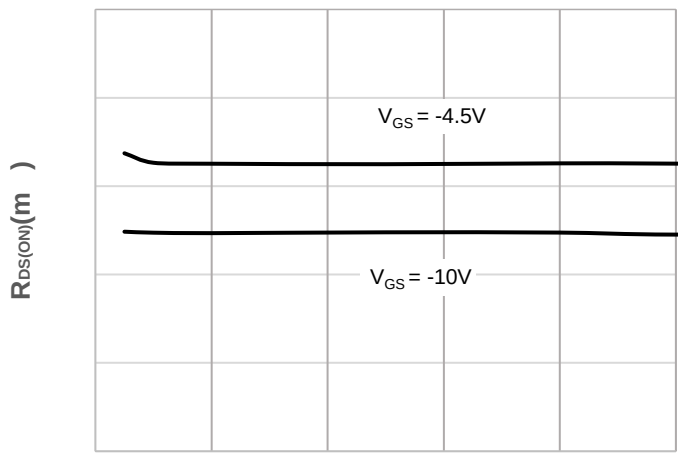


Figure 8: Body Diode Characteristics

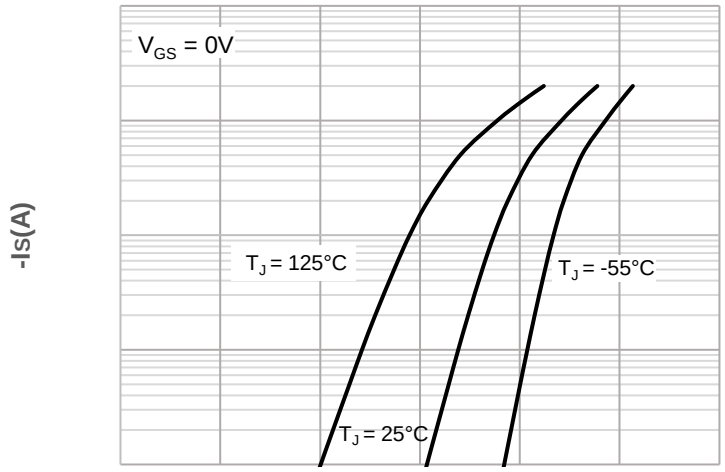


Figure 9: Gate Charge Characteristics

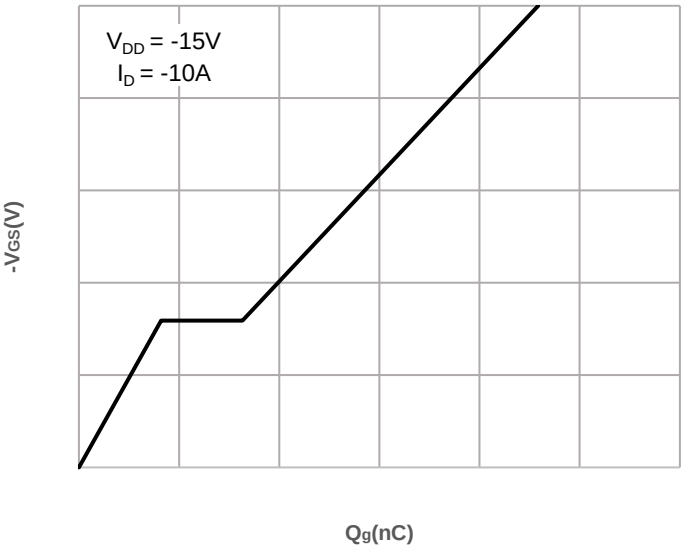
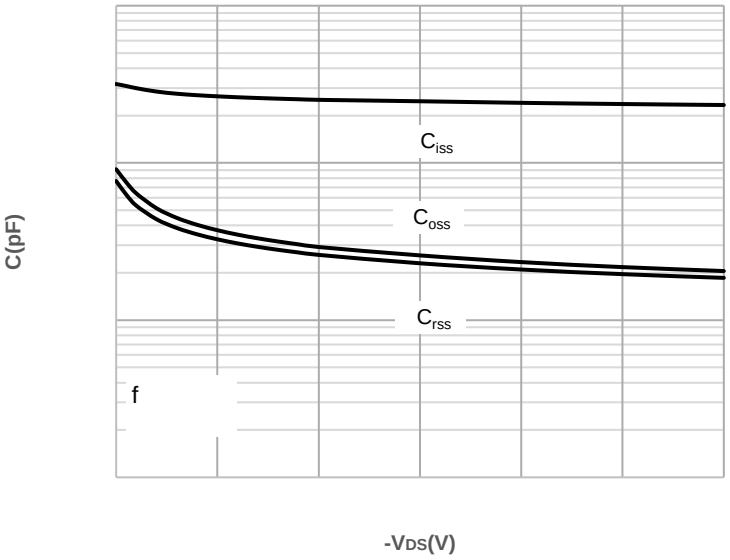


Figure 10: Capacitance Characteristics



Test Circuit

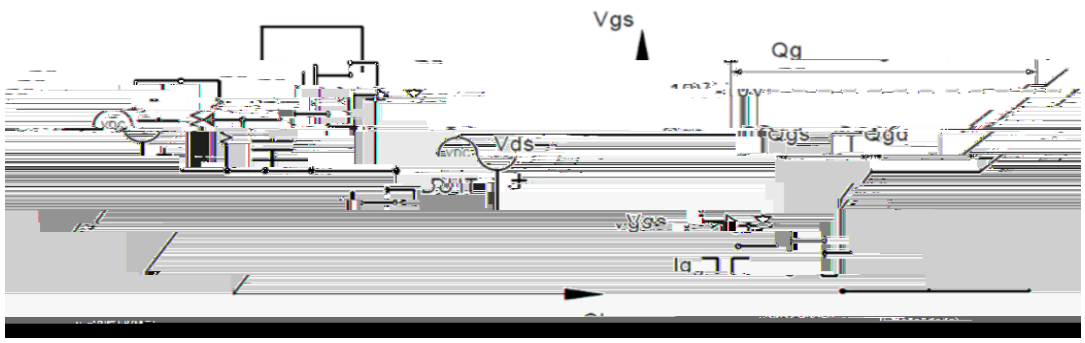


Figure 1: Gate Charge Test Circuit & Waveform

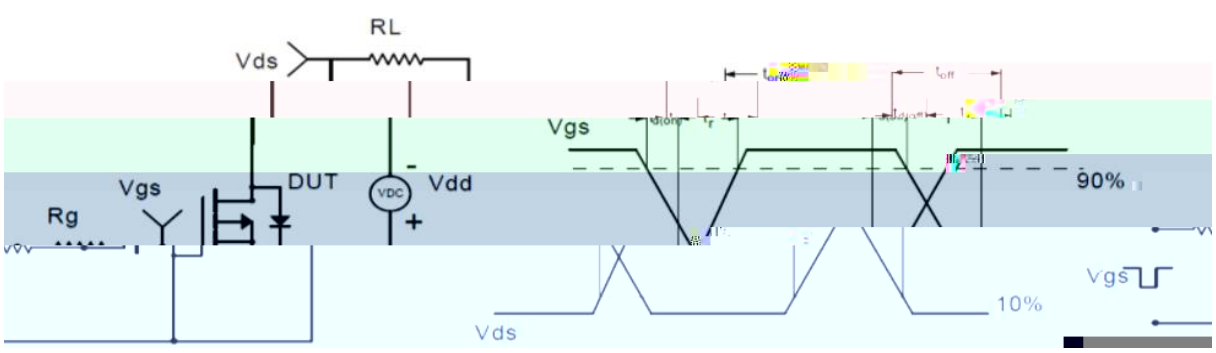


Figure 2: Resistive Switching Test Circuit & Waveform

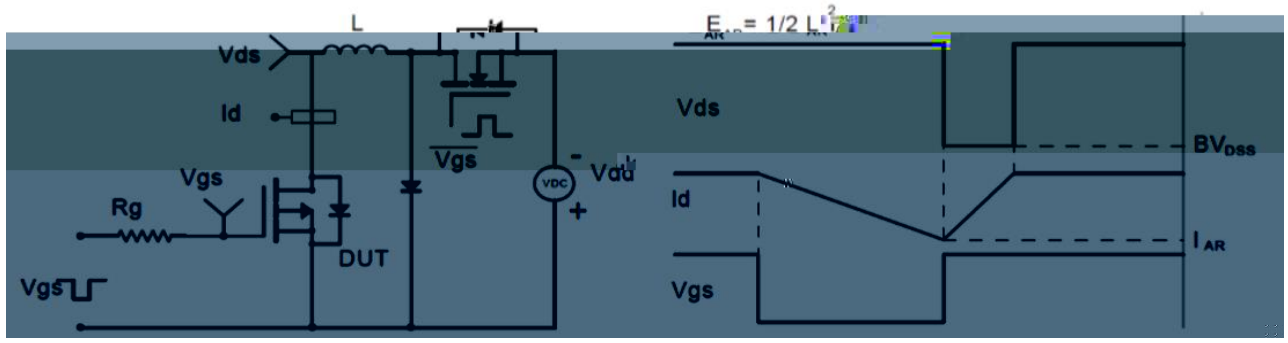


Figure 3: Unclamped Inductive Switching Test Circuit& Waveform

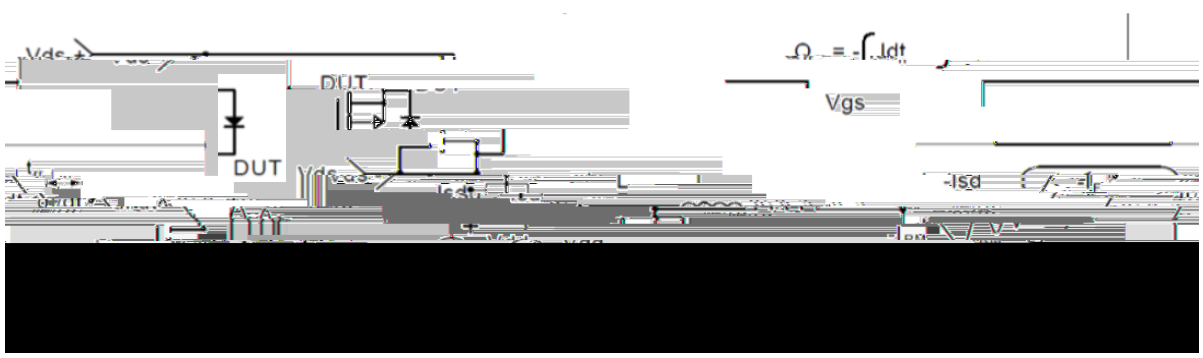


Figure 4: Diode Recovery Test Circuit & Waveform

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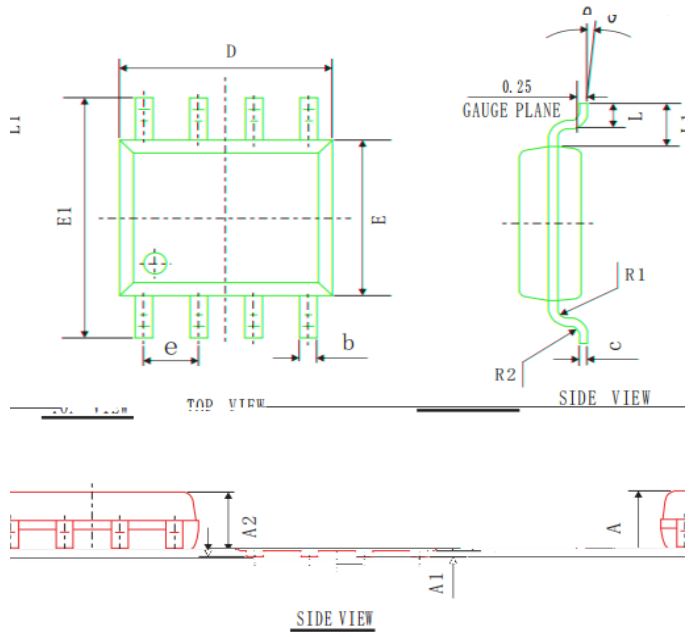
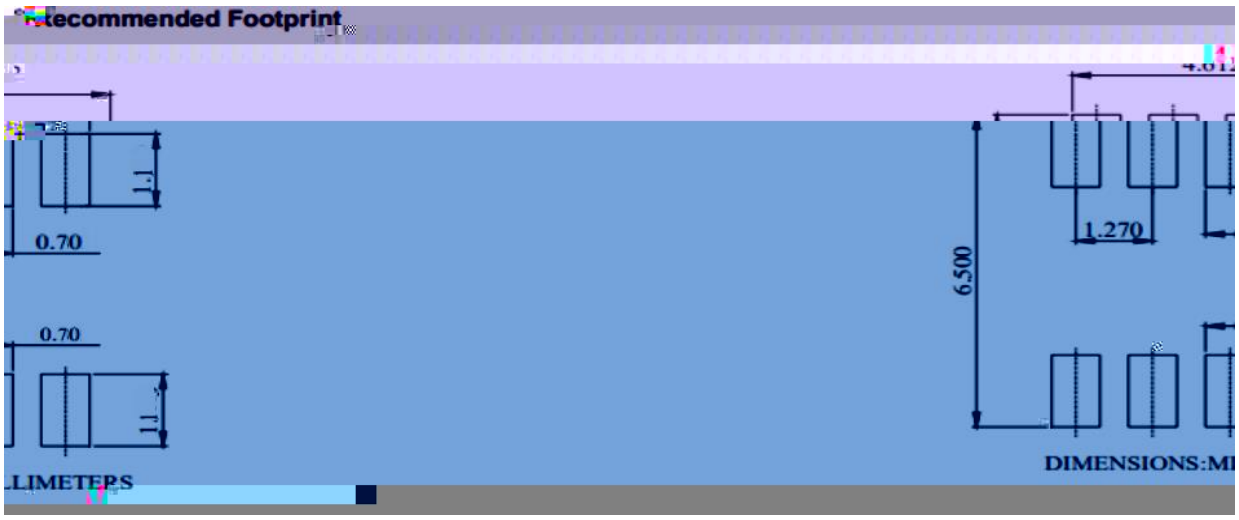
Package Mechanical Data(SOP-8L)



COMMON DIMENSIONS
(UNITS OF MEASURE=mm)

SYMBOL	MIN	NOM	MAX
A	1.40	1.60	1.80
A1	0.05	0.15	0.25
A2	1.35	1.45	1.55
b	0.30	0.40	0.50
c	0.153	0.203	0.253
D	4.80	4.90	5.00
E	3.80	3.90	4.00
E1	5.80	6.00	6.20
L	0.45	0.60	0.80
θ	2°		4°



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