Electrical Characteristics (T_J = 25°C unless otherwise specified)

Symbol	Min.	Typ.	Max.	Unit
Off Characteristics				
$V_{(BR)DSS}$	-30	-	-	V
I_{DSS}	-	-	-1.0	μA
I_{GSS}	-	-	±100	nA
$V_{GS(th)}$	-1.2	-1.7	-2.2	V
	-	12	17	mΩ
	-	16	27	mΩ
R_g	-	7	-	Ω
C_{iss}	1763	2468	3331	pF
C_{oss}	184	258	348	pF
C_{rss}	164	230	310	pF
Q_g	33	46	62	nC
Q_{gs}	-	8.2	-	nC
Q_{gd}	-			

Typical Performance Characteristics

Figure 1: Power De-rating

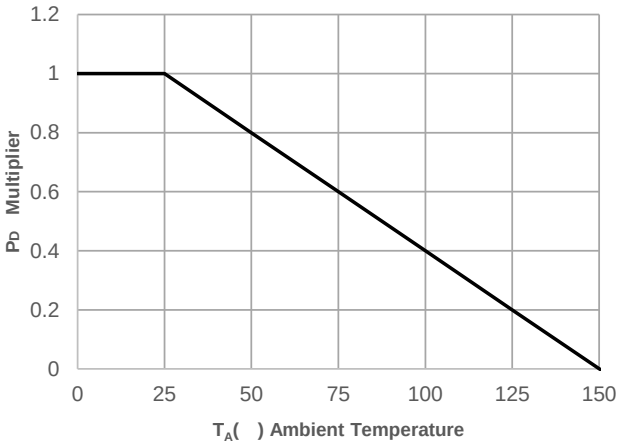
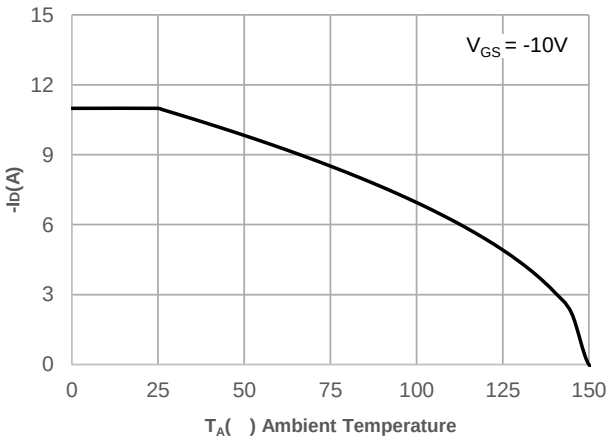
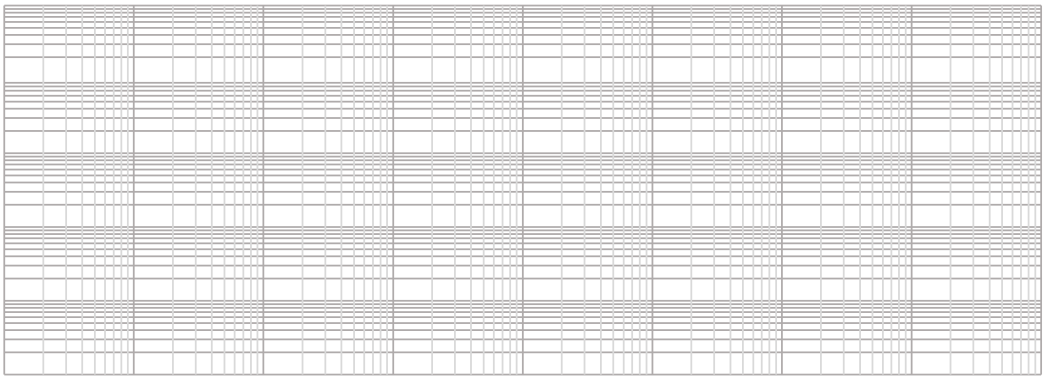


Figure 2: Current De-rating





Typical Performance Characteristics

Figure 5: Output Characteristics

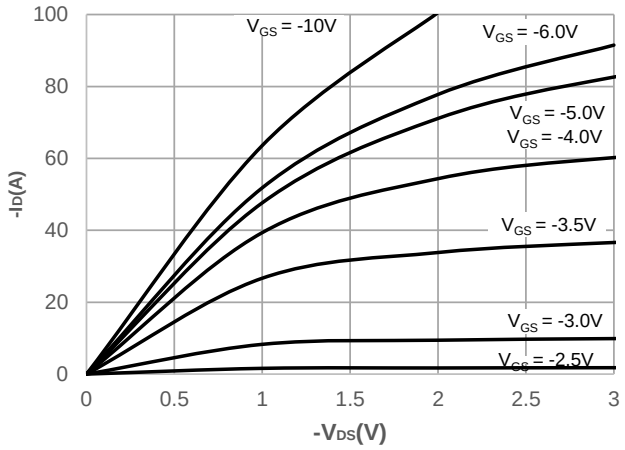


Figure 6: Typical Transfer Characteristics

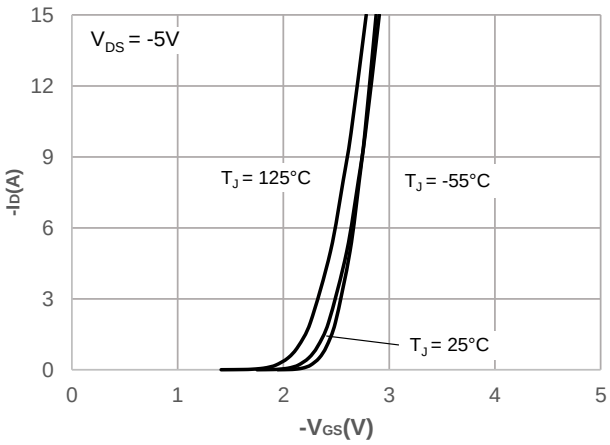


Figure 7: On-resistance vs. Drain Current

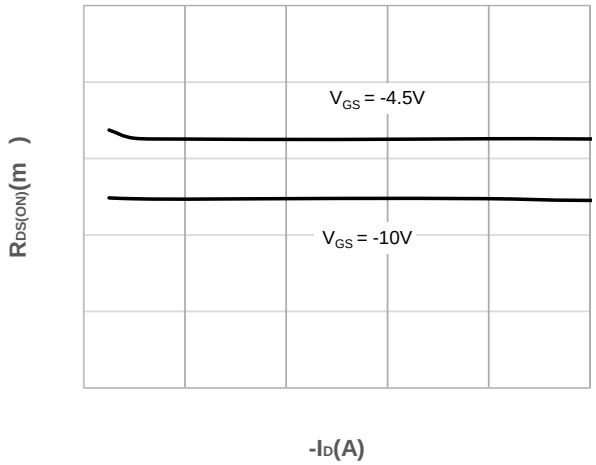


Figure 8: Body Diode Characteristics

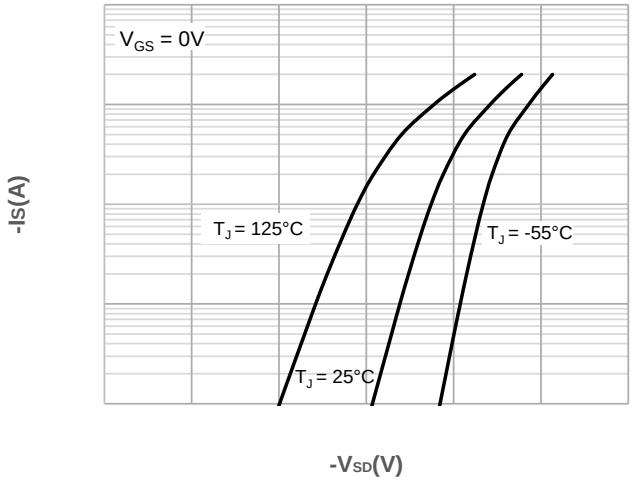


Figure 9: Gate Charge Characteristics

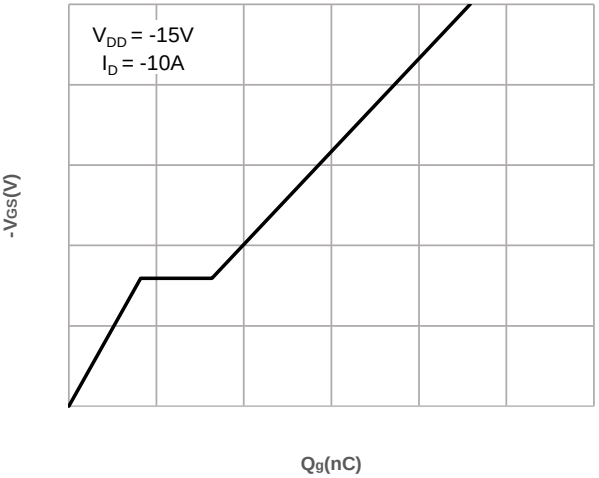
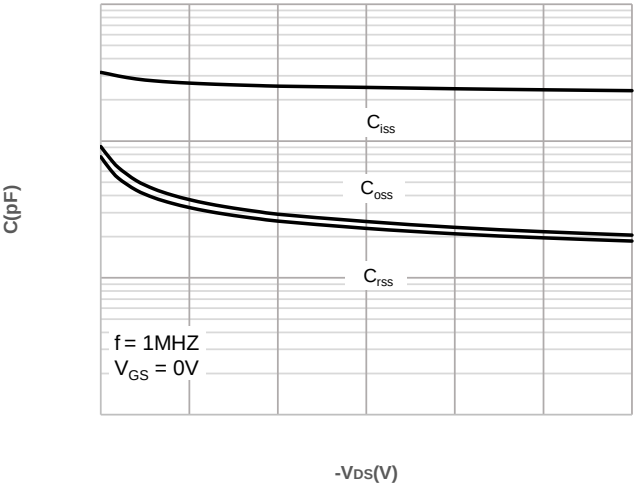


Figure 10: Capacitance Characteristics



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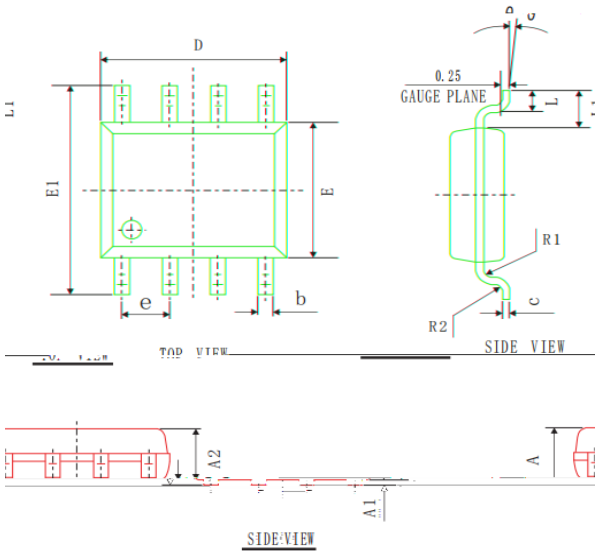
Typical Performance Characteristics

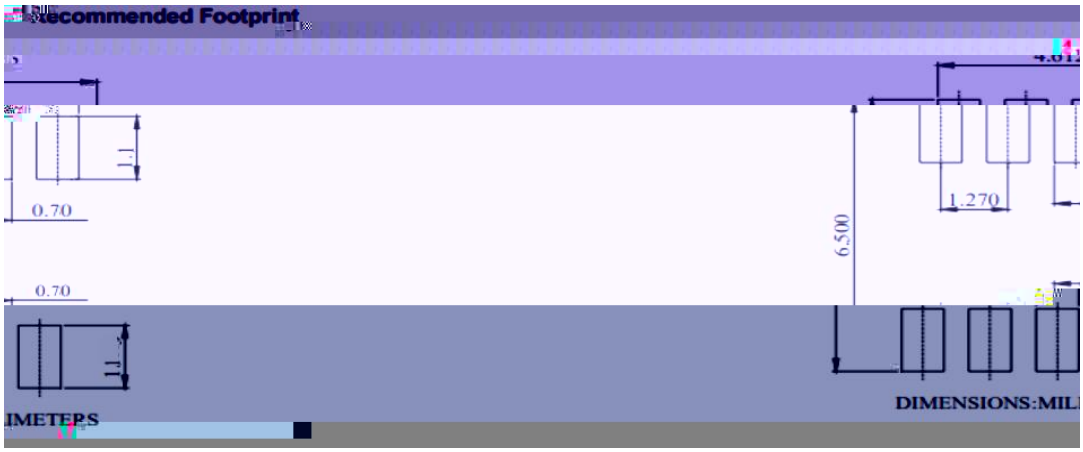
Test Circuit

Figure 1:P0D

Package Mechanical Data(SOP-8L)



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
θ	0°	2°	4°



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