



	Value	Unit
	-30	V
	-1.7	V
	-11	A
	12	mΩ
	16	mΩ

	Marking	MSL	Form		Reel(pcs)	Per Carton (pcs)
JMTP160P03D	160P03D	3	Tape&Reel	SOP-8	4000	48000

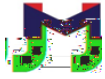
Symbol				Unit
V _{DS}	Drain-to-Source Voltage		-30	V
V _{GS}	Gate-to-Source Voltage		±20	V
I _D	Continuous Drain Current	T _A = 25°C	-11	A
		T _A = 100°C	-7	
I _{DM}	Pulsed Drain Current ⁽¹⁾		Refer to Fig.4	A
E _{AS}				mJ
P _D	Power Dissipation	T _A = 25°C	2.8	W
		T _A = 100°C	1.1	
T _J , T _{STG}	Junction & Storage Temperature Range		-55 to 150	°C

Thermal Characteristics

Symbol	Parameter	Max	Unit
R - \$	Thermal Resistance, Junction to Ambient ⁽³⁾	112	°C/W
R - \$	Thermal Resistance, Junction to Ambient ⁽⁴⁾	45	

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

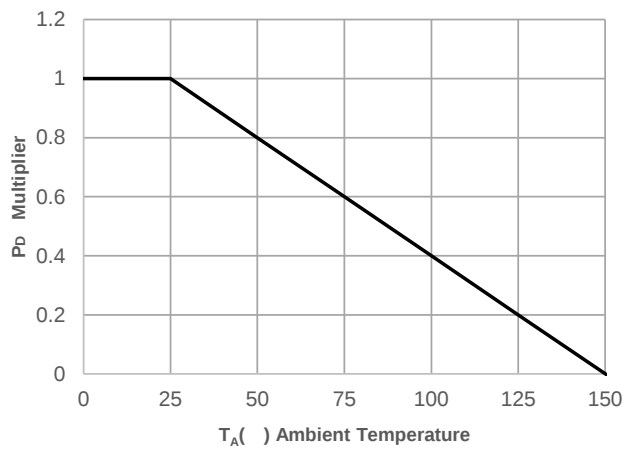
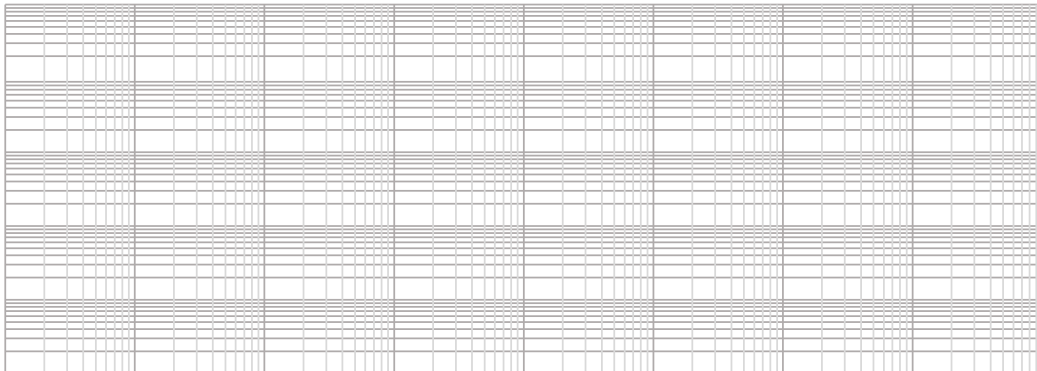
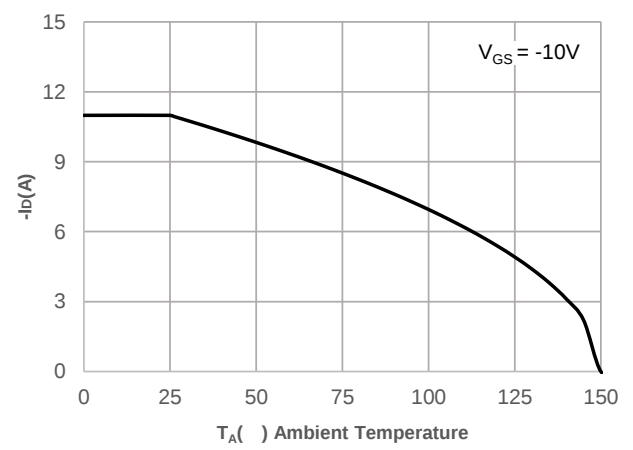
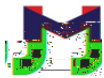


Figure 2: Current De-rating





Typical Performance Characteristics

Figure 5: Output Characteristics

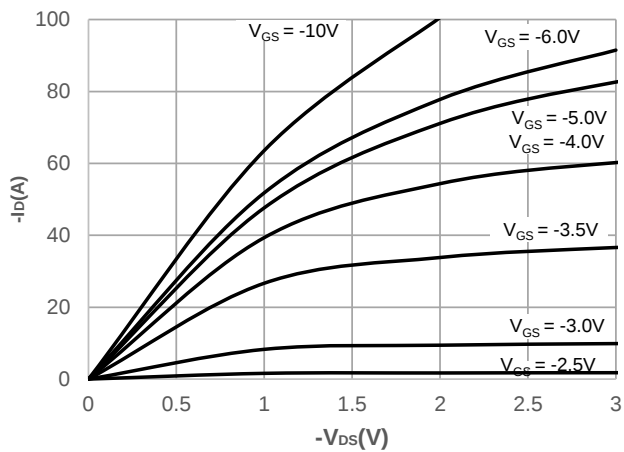


Figure 6: Typical Transfer Characteristics

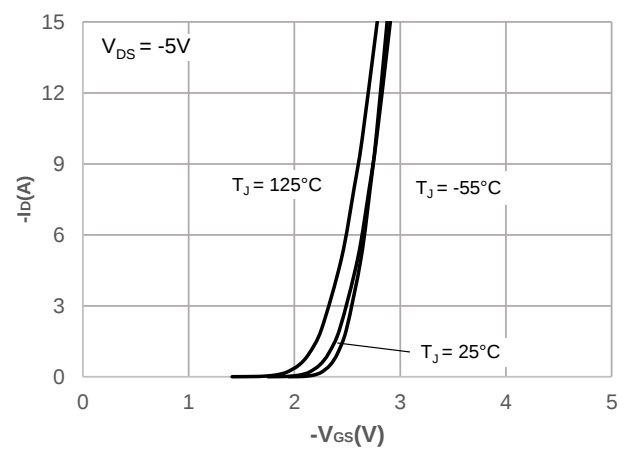


Figure 7: On-resistance vs. Drain Current

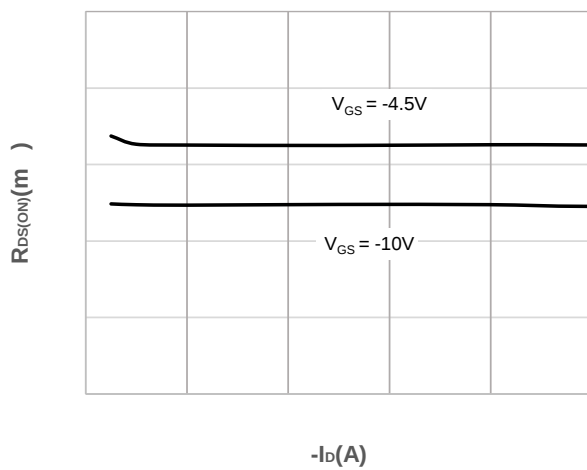


Figure 8: Body Diode Characteristics

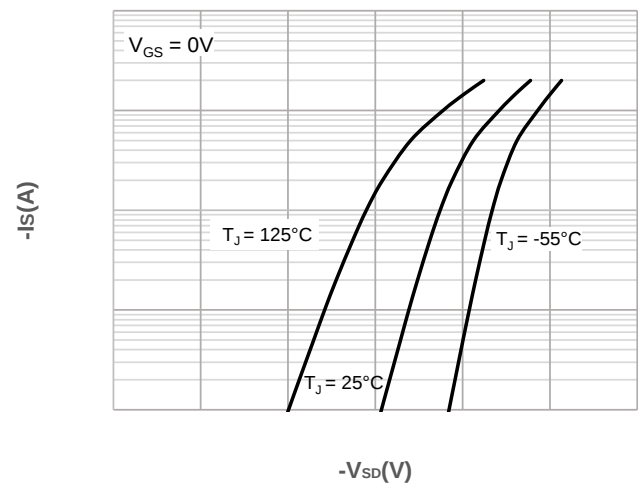


Figure 9: Gate Charge Characteristics

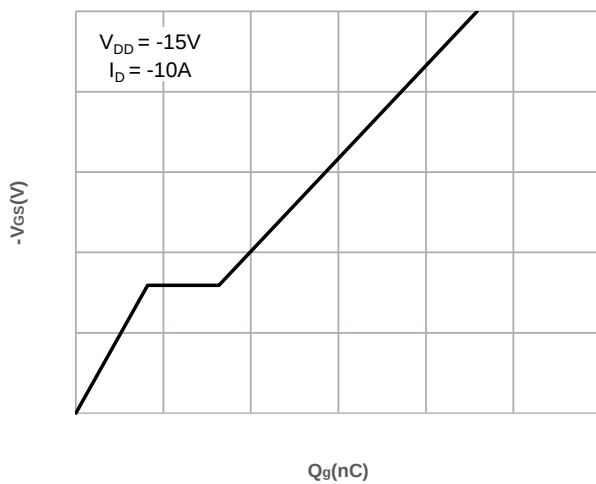
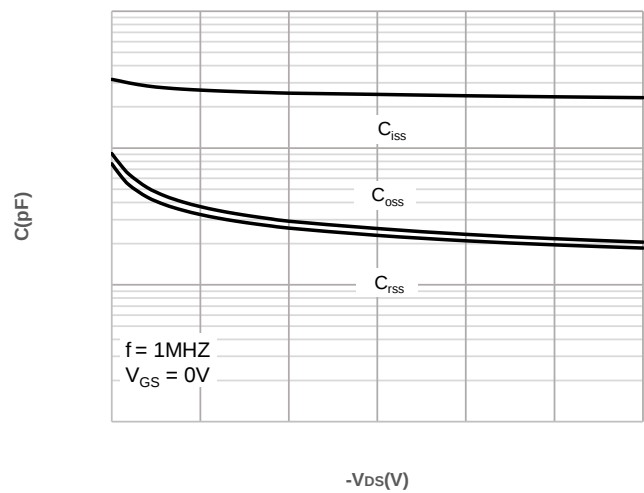


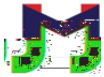
Figure 10: Capacitance Characteristics



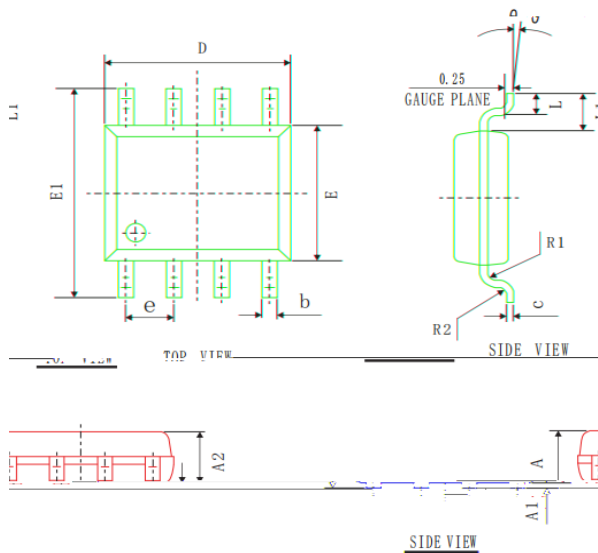
Typical Performance Characteristics

Test Circuit

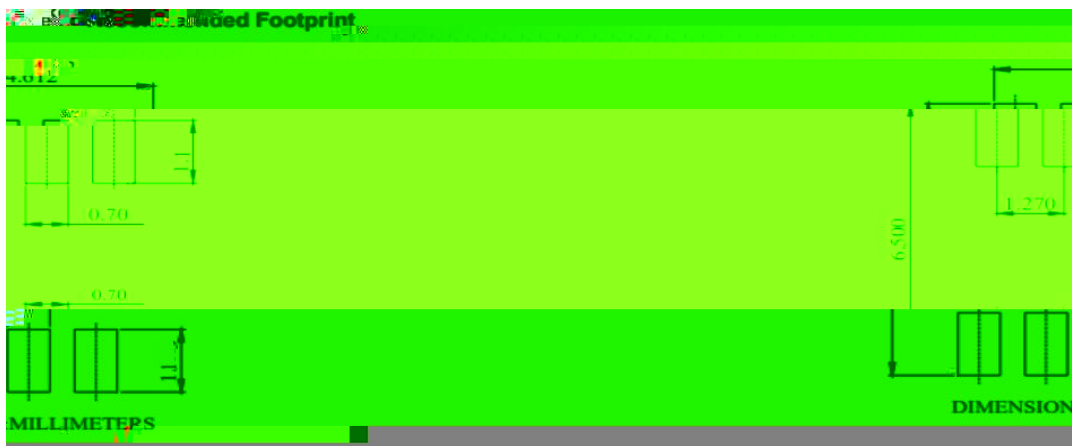
Figure 1:P0D



Package Mechanical Data(SOP-8L)



COMMON DIMENSIONS (UNITS: 0.1mm)			
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	1.40	1.50	1.60
E1	5.80	6.00	6.20
L	1.00	1.10	1.20
R1	0.10	0.15	0.20
R2	0.10	0.15	0.20
0°	0.00	0.00	0.00
6°	0.00	0.00	0.00
12°	0.00	0.00	0.00
18°	0.00	0.00	0.00
24°	0.00	0.00	0.00
30°	0.00	0.00	0.00
36°	0.00	0.00	0.00
42°	0.00	0.00	0.00
48°	0.00	0.00	0.00
54°	0.00	0.00	0.00
60°	0.00	0.00	0.00
66°	0.00	0.00	0.00
72°	0.00	0.00	0.00
78°	0.00	0.00	0.00
84°	0.00	0.00	0.00
90°	0.00	0.00	0.00
96°	0.00	0.00	0.00
102°	0.00	0.00	0.00
108°	0.00	0.00	0.00
114°	0.00	0.00	0.00
120°	0.00	0.00	0.00
126°	0.00	0.00	0.00
132°	0.00	0.00	0.00
138°	0.00	0.00	0.00
144°	0.00	0.00	0.00
150°	0.00	0.00	0.00
156°	0.00	0.00	0.00
162°	0.00	0.00	0.00
168°	0.00	0.00	0.00
174°	0.00	0.00	0.00
180°	0.00	0.00	0.00



Information furnished in this document is believed to be accurate and reliable. However, Jiangsu JieJie Microelectronics Co.,Ltd assumes no responsibility for the consequences of use without consideration for such information nor use beyond it. Information mentioned in this document is subject to change without notice, apart from that when an agreement is signed, Jiangsu JieJie complies with the agreement. Products and information provided in this document have no infringement of patents. Jiangsu JieJie assumes no responsibility for any infringement of other rights of third parties which may result from the use of such products and information.

 is a registered trademark of Jiangsu JieJie Microelectronics Co.,Ltd.