MMDL770T1G
SCHOTTKY BARRIER DIODE

Features

- Forward Continuous Current:I_F =70mA
- Power Dissipation of 200mW



SOD-323



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
MMDL770T1G	SOD-323	K73	3000

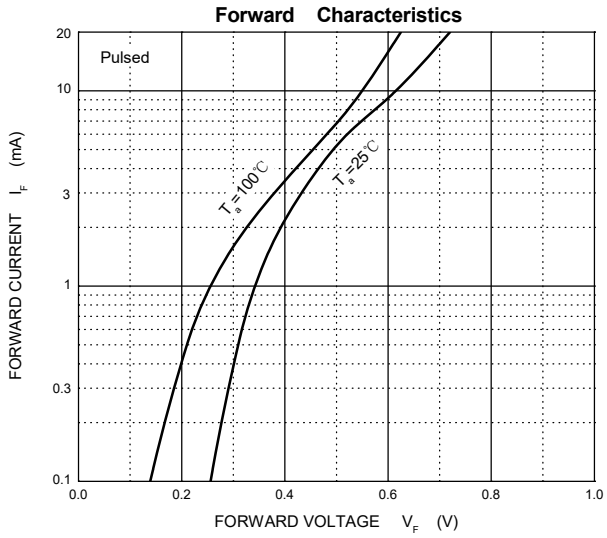
Maximum Ratings (Ta=25°C unless otherwise noted)

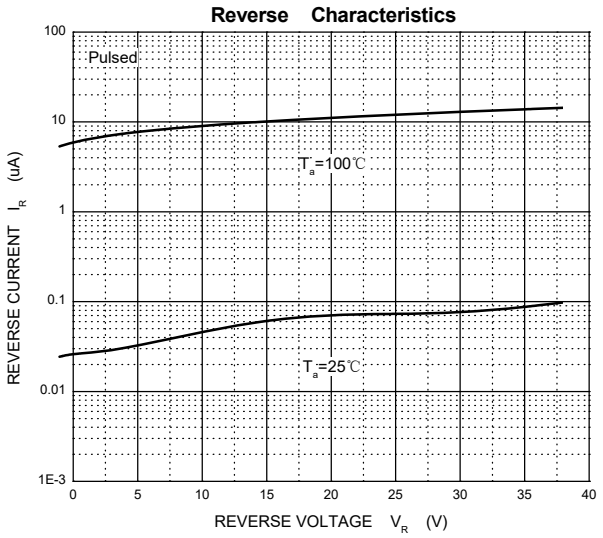
Parameter	Symbol	Limit	Unit
Peak Repetitive Peak Reverse Voltage Working Peak Reverse Voltage DC Blocking V oltage	V_{RRM} V_{RWM} V_R	70	V
Forward Continuous Current	I_F	70	mA
Non-repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	100	mA
Power Dissipation	P_D	200	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	500	°C/W
Operating Junction Temperature Range	T_J	-40 ~ +125	°C
Storage Temperature Range	T_{STG}	-55 ~ +150	°C

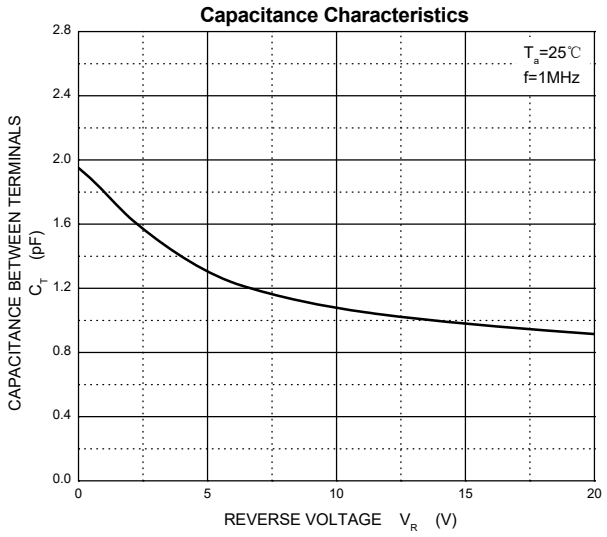
Electrical Characteristics(Ta=25°C unless otherwise specified)

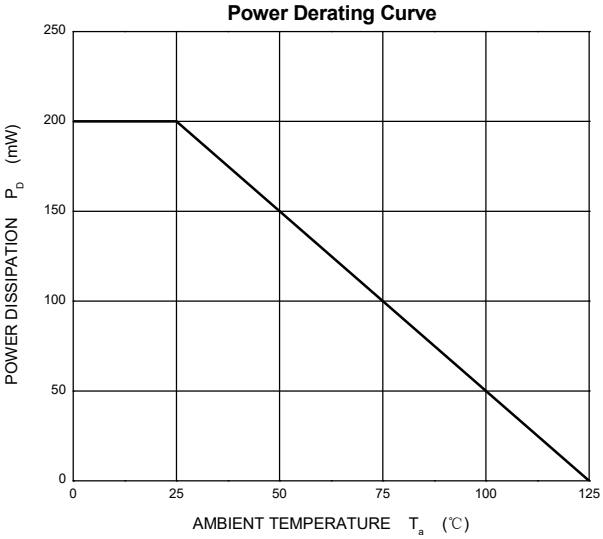
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_{F1}			0.41	V	I_F=1mA
	V_{F2}			1	V	I_F=15mA
Reverse current	I_R			100	nA	V_R=50V
Capacitance between terminals	C_T			2	pF	V_R=0V,f=1MHz
Reverse recovery time	t_{rr}			5	ns	I_F=I_R=10mA Irr=0.1XI_R,R_L=100Ω

Typical Characteristics

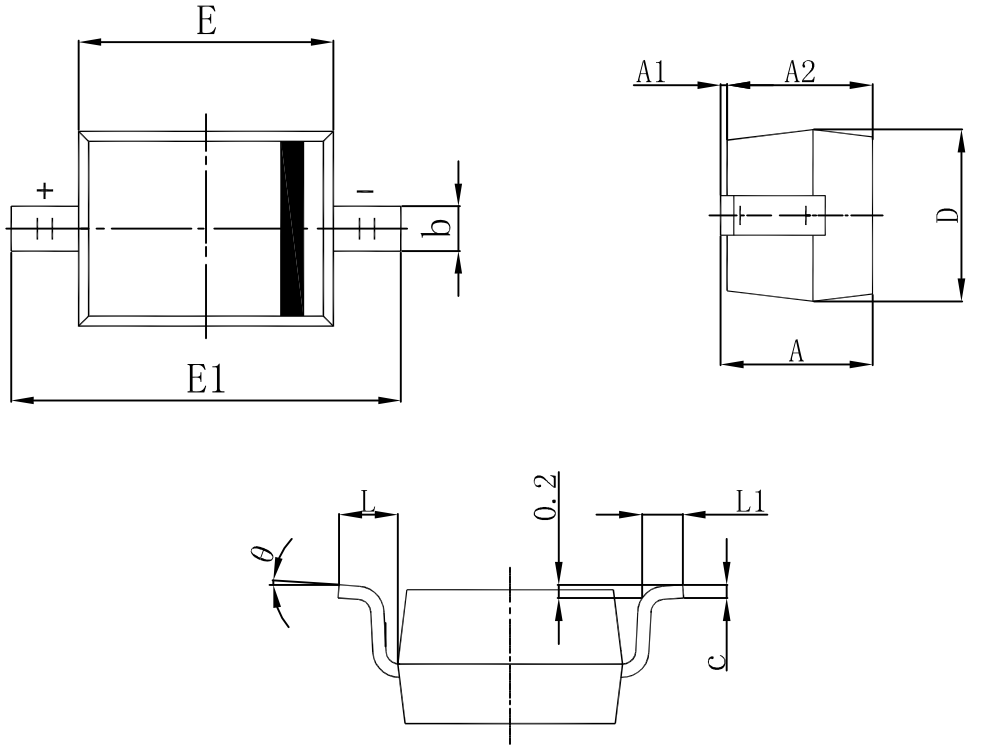








SOD-323 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A		1.100		0.043
A1	0.000	0.100	0.000	0.004
A2	0.800	1.000	0.031	0.039
b	0.250	0.350	0.010	0.014
c	0.080	0.150	0.003	0.006
D	1.200	1.400	0.047	0.055
E	1.600	1.800	0.063	0.071
E1	2.500	2.750	0.098	0.108
L	0.475 REF		0.019 REF	
L1	0.250	0.400	0.010	0.016
θ	0°	8°	0°	8°

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HXY MOSFET:

HSG3D15B3.3MA PJEC5V0M1FN2 HESDSLC3V3D3B PESDNC2XD5VBF PESDSC2FD5VU
TPSMB100CA-VR BV05C-H HAZ4007-01H HCEZ36V,L3F AZ4836-01L HESD36VD3B TPSMB28A-VR
AQ15C-01FTG AZ4007-01H HSD15C.TCT LM393DR-HXY ESD5LM5.0C-HXY PJSD24CW_R1
HRCLAMP3371ZCTFT HSTS521050B331 PESDLC2FD3V3BH PESDNC2XD5VBL ESD5L5.0C-HXY
HACPDQC5V0-HF HLY323BC1524L HPTVSUC3D5VB HSEN3611D3 RLSD32A121V 60N06 HSEN2411D3