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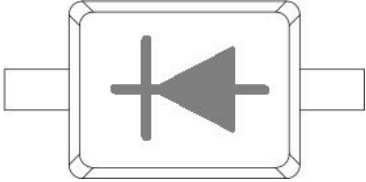
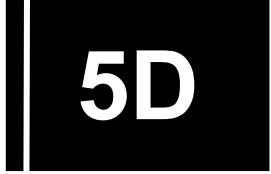
MMDL914

Product specification

FEATURES

- High Voltage

Reference News

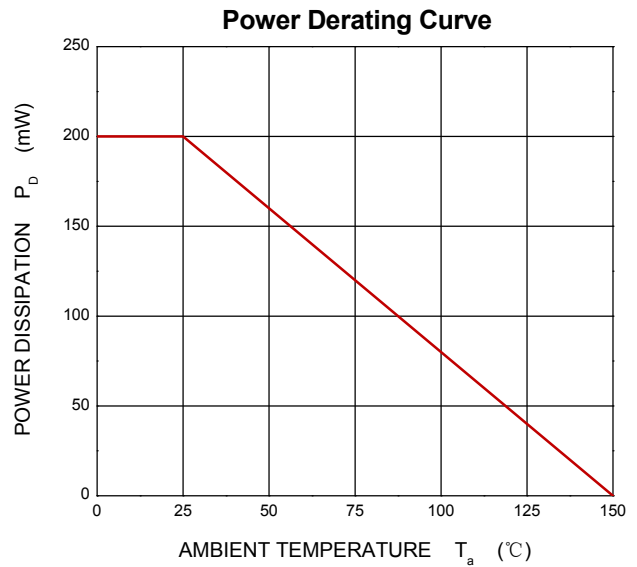
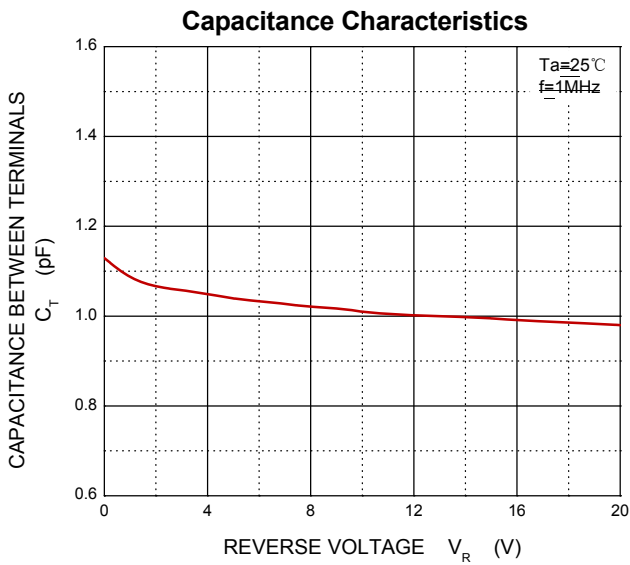
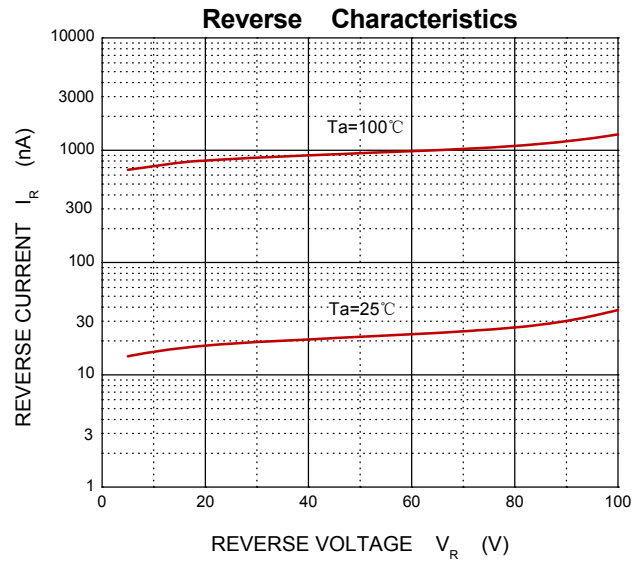
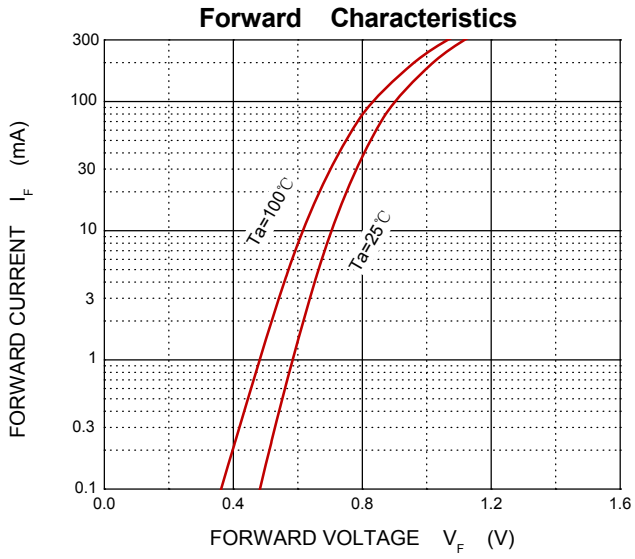
PACKAGE OUTLINE	PIN CONFIGURATION	Marking
 <p>SOD-323</p>		

MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

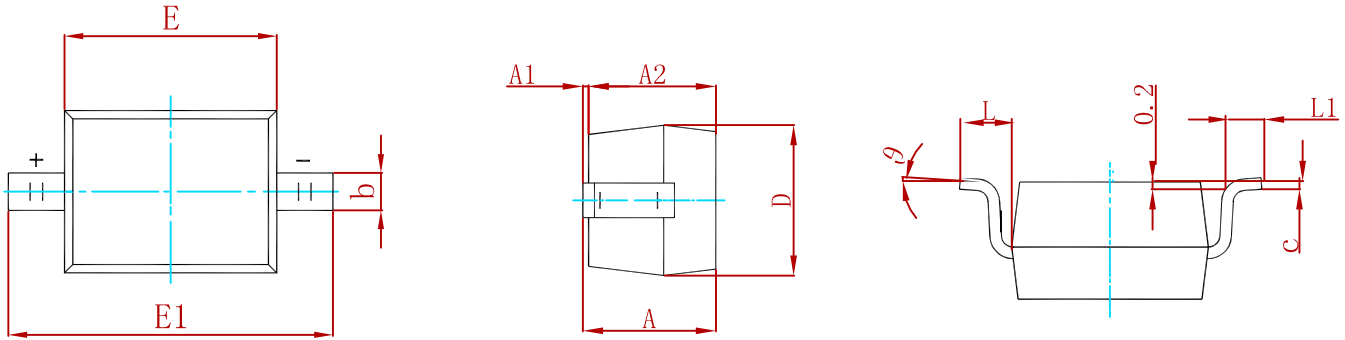
Symbol	Parameter	Value	Unit
V_{RRM}	Maximum Repetitive Reverse Voltage	100	V
I_o	Forward Current	0.2	A
I_{FSM}	Non-repetitive Peak Forward Surge Current @t= 8.3ms	2	
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	500	°C/W
T_J, T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

ELECTRICAL CHARACTERISTICS(Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=100\mu A$	100			V
Reverse current	I_R	$V_R=20V$			25	nA
		$V_R=75V$			5	μA
Forward voltage	V_F	$I_F=10mA$			1	V
Total capacitance	C_{tot}	$V_R=0V, f=1MHz$			4	pF
Reverse recovery time	t_{rr}	$I_F= I_R=10mA, I_{rr}=0.1 \times I_R, R_L=100\Omega$			4	ns

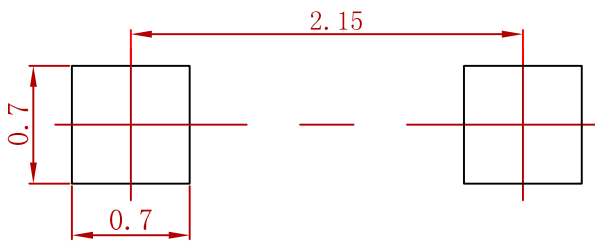


PACKAGE MECHANICAL DATA



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A		1.000		0.039
A1	0.000	0.100	0.000	0.004
A2	0.800	0.900	0.031	0.035
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	2.550	2.750	0.100	0.108
L	0.475 REF.		0.019 REF.	
L1	0.250	0.400	0.010	0.016
θ	0°	8°	0°	8°

Suggested Pad Layout



Note:

1. Controlling dimension: in millimeters.
2. General tolerance: ±0.05mm.
3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
MMDL914	SOD-323	3000

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