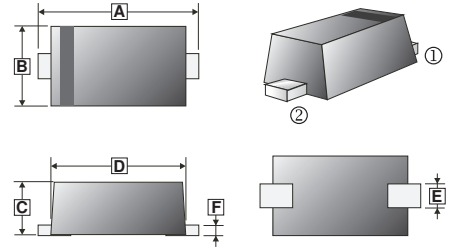


RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

## FEATURES

- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode

## SOD-323L



## MARKING CODE

SL

## PACKAGE INFORMATION

REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.30	2.70	D	1.60	2.10
B	1.05	1.45	E	0.25	0.40
C	0.60	1.00	F	0.05	0.25

Package	MPQ	Leader Size
SOD-323L	3K	7 inch

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C, unless otherwise noted.)

Parameter	Symbol	Rating	Unit
Repetitive Peak Reverse Voltage	V <sub>RM</sub>	40	V
Average Rectified Output Current	I <sub>O</sub>	1	A
Peak Forward Surge Current@ t=8.3ms single half sine-wave	I <sub>FSM</sub>	9	A
Repetitive Peak Forward Current	I <sub>FRM</sub>	1.5	A
Power Dissipation	P <sub>D</sub>	250	mW
Junction and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-55~125	°C

Notes:

1. These ratings are limited and the testing conditions should not be passed or the serviceability of the diode may be impaired.

## ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C, unless otherwise noted.)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Reverse Breakdown Voltage	V <sub>BR</sub>	40	-	-	V	I <sub>F</sub> =1mA
Reverse Leakage Current	I <sub>R</sub>	-	-	1	μA	V <sub>R</sub> =40V
Forward Voltage	V <sub>F</sub>	-	-	0.6	V	I <sub>F</sub> =1A
Diode Capacitance	C <sub>d</sub>	-	30	-	pF	V <sub>R</sub> =4V, f=1MHz

**RATINGS AND CHARACTERISTIC CURVES**

