

**250mW SOD-323 Fast Switching Diode**

**FEATURES**

- \* Fast Switching Device
- \* Power Dissipation of 250mW
- \* High Stability and High Reliability
- \* Low reverse leakage

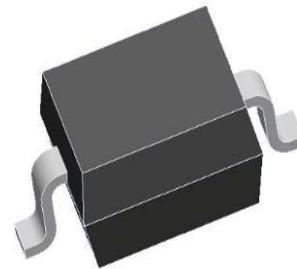
**MECHANICAL DATA**

- \* SOD-323 Small Outline Plastic Package
- \* Polarity: Color band denotes cathode end
- \* Epoxy UL: 94V-0
- \* Mounting Position: Any

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25 °C ambient temperature unless otherwise specified.  
Resistive or inductive load.

**SOD-323**



MARKING:A

**Maximum Ratings & Thermal Characteristics** (Ratings at 25°C ambient temperature unless otherwise specified.)

Parameters	Symbol	Value	Unit
Reverse Voltage	VR	90	V
Peak Reverse Voltage	VRM	80	V
Power Dissipation	Pd	250	mW
Operating junction temperature	Tj	150	°C
Storage temperature range	Ts	-55-+150	°C
Average Rectified Current	IO	100	mA
Non-repetitive Peak Forward Current	IFM	225	mA

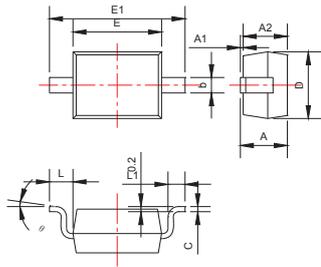
Valid provided that electrodes are kept at ambient temperature.

**Electrical Characteristics** (Ratings at 25°C ambient temperature unless otherwise specified).

Symbols	Parameter	Test Condition	Limits		Unit
			Min	Max	
IR	Reverse Leakage Current	VR=80V	---	0.1	uA
VF	Forward Voltage	IF=100mA	---	1.20	V
TRR	Reverse Recovery Time	IF= 10mA, VR=6V RL=100Ω	---	4	nS
C	Capacitance	VR=0.5V, f=1MHZ	---	3	pF

## SOD-323 PACKAGE OUTLINE

Plastic surface mounted package



SYMBOL	DIMENSIONS	
	MIN.	MAX.
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.350
c	0.080	0.150
D	1.200	1.400
E	1.600	1.800
E1	2.500	2.700
L	0.475REF	
L1	0.250	0.400
$\theta$	0°	8°

## PACKAGING OF DIODE AND BRIDGE RECTIFIERS

### REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
SOD-323	-T	3,000	15,000	---	---	178	390*205*31	120,000	5.17

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