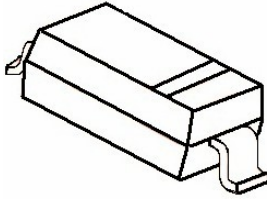


## SOD-323



MARKING: A

**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
- EpoxyUL: 94V-0
- Mounting Position: Any

**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.

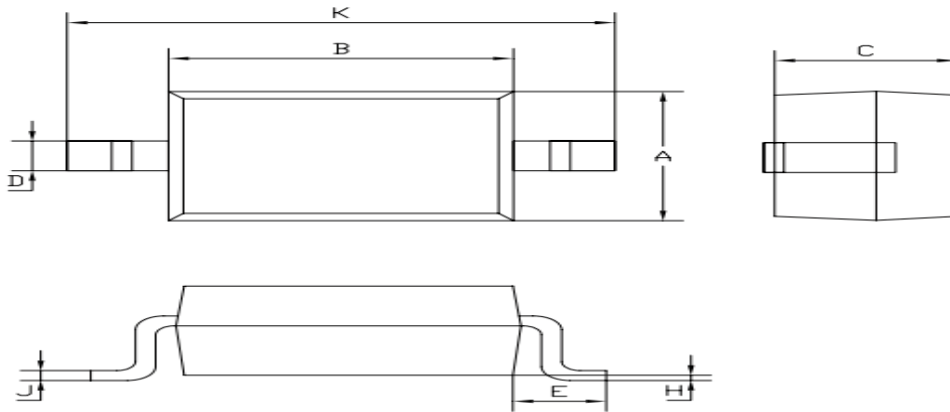
**Electrical Characteristics**

(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
	Reverse Leakage Current				
VF	Forward Voltage	IF=100mA	---	1.20	V
	Forward Voltage				
TRR	Reverse Recovery Time	IF= 10mA, VR=6V	---	4	nS
	Reverse Recovery Time	RL=100Ω			
C	Capacitance	VR=0.5V, f=1MHZ	---	3	pF
	Capacitance				



**SOD-323 PACKAGE OUTLINE** Plastic surface mounted package



SOD-323		
Dim	Min	Max
A	1.275	1.325
B	1.675	1.725
C	0.9 Typical	
D	0.25	0.35
E	0.27	0.37
H	0.02	0.1
J	0.1 Typical	
K	2.6	2.7