

# SOD-323 SCHOTTKY BARRIER DIODE

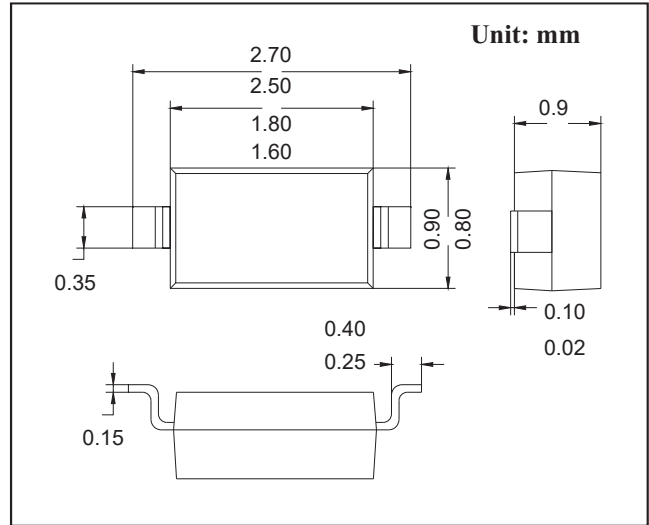
**VOLTAGE RANGE: 30V**
**PEAK PULSE POWER:200mW**

## FEATURES

- Low Forward Voltage Drop
- Guard Ring Construction for Transient
- Protection Negligible Reverse Recovery Time
- Very Low Reverse Capacitance

## MECHANICAL DATA

- Case: SOD-323 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



## MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Symbol	Parameter	Value	Unit
<b>VR</b>	DC Blocking Voltage	30	V
<b>VRRM</b>	Repetitive Peak Reverse Voltage	30	V
<b>IF</b>	Forward Current	200	mA
<b>IFSM</b>	Non-repetitive Peak Forward Surge Current @ t=8.3ms	1	A
<b>PD</b>	Power Dissipation	200	mW
<b>RθJA</b>	Thermal Resistance from Junction to Ambient	500	°C/W
<b>Tj</b>	Junction Temperature	125	°C
<b>Tstg</b>	Storage Temperature	-55~+150	°C

## Electrical Specification (TA=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	V(BR)	IR=100μA	30			V
Reverse current	IR	VR=30V			50	μA
Forward voltage	VF	IF=200mA			0.55	V
Total capacitance	Ctot	VR=0V, f=1MHz		30		pF
Reverse recovery time	trr	IF= IR=100mA, Irr=0.1×IR, RL=100Ω		3		ns

**MARKING: 2B**

RATINGS AND CHARACTERISTIC CURVES

