

SOD-323 SCHOTTKY BARRIER DIODE

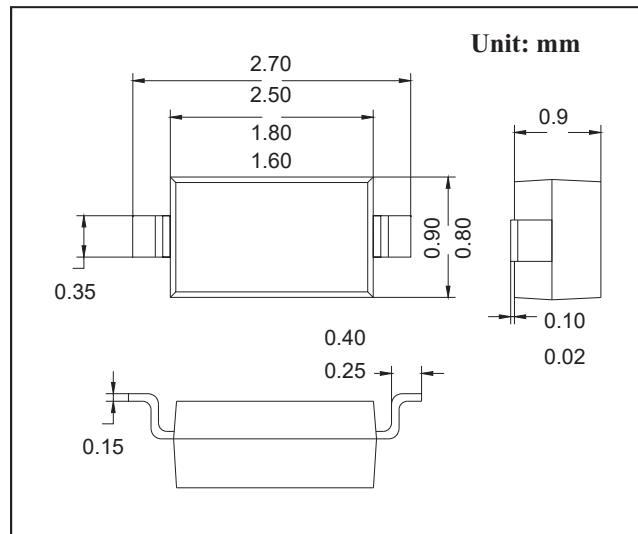
VOLTAGE RANGE: 40V
PEAK PULSE POWER:200mW

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)

Parameter	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	VRRM	40	V
Working Peak Reverse Voltage	VRWM		
DC Blocking Voltage	VR		
RMS Reverse Voltage	VR(RMS)	28	V
Forward Continuous Current	IFM	15	mA
Non-Repetitive Peak Forward Surge Current @t=8. .3ms	IFSM	2.0	A
Power Dissipation	Pd	200	mW
Thermal Resistance Junction to Ambient	RθJA	500	°C/W
Junction temperature	Tj	125	°C
Storage Temperature	TSTG	-55~+150	°C

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

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage	VR	40			V	IR=10μA
Forward voltage	VF			0.39 0.90	V	IF=1.0mA IF=15mA
Reverse current	IR			0.2	μA	VR=30V
Capacitance between terminals	CT		2.2		pF	VR=0V,f=1.0MHz
Reverse recovery time	trr			1.0	ns	IF=IR=5mA Irr=0.1XIR,RL=100Ω

MARKING: S3

RATINGS AND CHARACTERISTIC CURVES

