

SOD-323 SCHOTTKY BARRIER DIODE

VOLTAGE RANGE: 30V

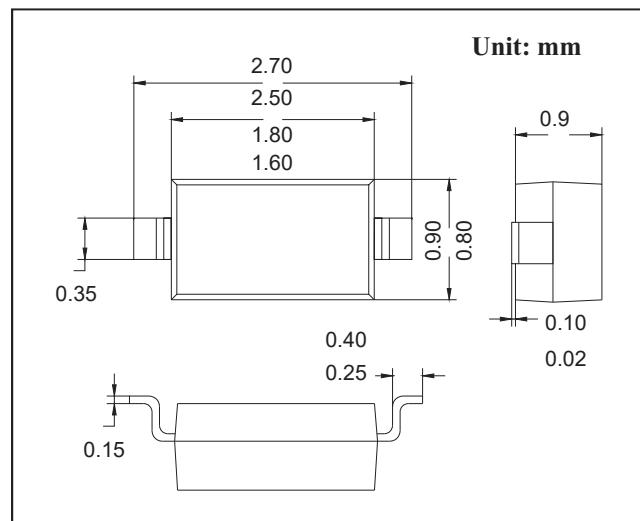
PEAK PULSE POWER: 250mW

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	Limit		Unit
Non-repetitive peak reverse voltage	VRM	30		V
Forward current	IFM	200		mA
Non-repetitive Forward Surge Current @t=8.3ms	IFSM	1		A
Power dissipation	Ptot	250		mW
Thermal resistance junction to ambient	R _{θJA}	400		°C/W
Junction temperature	T _J	125		°C
Storage temperature	T _{STG}	-55~+150		°C

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

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage	VR	30			V	IR=100μA
Forward voltage	VF		260 320 420 490	550	mV	IF=2mA IF=15mA IF=100mA IF=200mA
Reverse current	IR			5	μA	VR=30V
Capacitance between terminals	CT			15	pF	VR=10V,f=1MHz

MARKING: S21

RATINGS AND CHARACTERISTIC CURVES

