

SOD-323 SCHOTTKY BARRIER DIODE

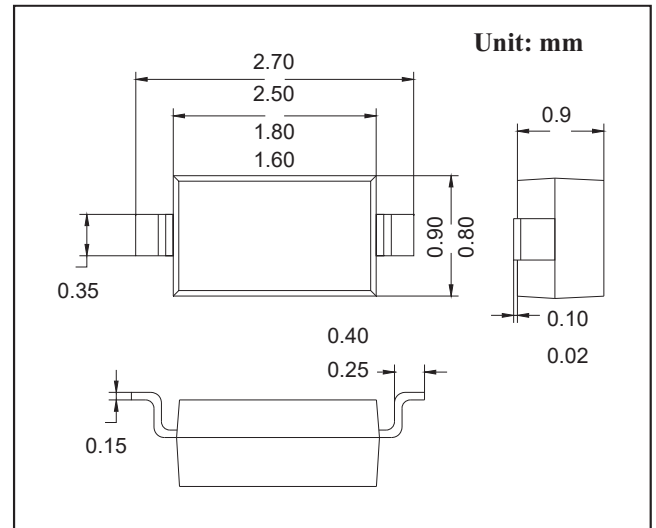
VOLTAGE RANGE: 40V
PEAK PULSE POWER:200mW

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	Limit	Unit
Peak reverse voltage	V _{RM}	45	V
DC reverse voltage	V _R	40	V
Mean rectifying current	I _O	0.1	A
Non-repetitive Peak Forward Surge Current@t=8.3ms	I _{FSM}	1	A
Power dissipation	P _D	200	mW
Thermal Resistance Junction to Ambient	R _{θJA}	500	°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
Forward voltage	V _F			0.45	V	I _F =10mA
Reverse current	I _R			1	μA	V _R =10V
Capacitance between terminals	C _T		6		pF	V _R =10V, f=1MHZ

MAKING: 2

RATINGS AND CHARACTERISTIC CURVES

