

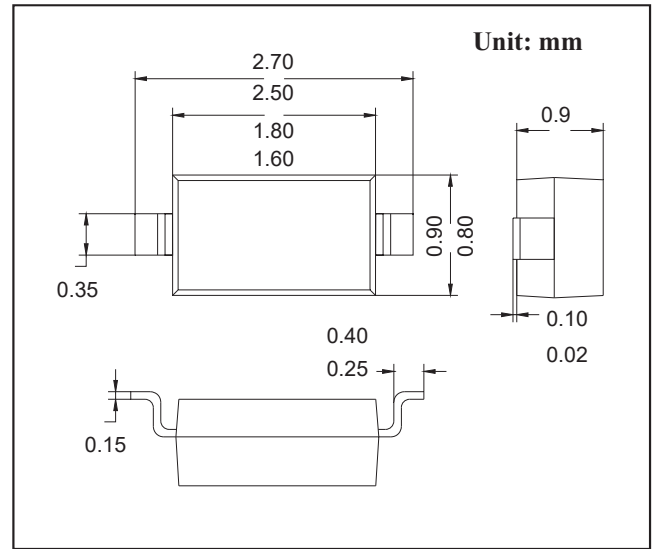
SOD-323 SCHOTTKY BARRIER DIODE

VOLTAGE RANGE: 30V
PEAK PULSE POWER:200mW

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

Ratings at 25 C ambient temperature unless otherwise specified

Parameter	S	ymbol	Limit	Unit
Peak reverse voltage		V _{RM}	30	V
DC reverse voltage		V _R	30	V
Mean rectifying current		I _O	0.5	A
Non-repetitive Peak Forward Surge Current@t=8.3ms		I _{FSM}	2	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@25°C unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V _F			0.36 0.47	V	I _F =100mA I _F =500mA
Reverse current	I _R		100		μA	V _R =20V

MAKING: D

RATINGS AND CHARACTERISTIC CURVES

