

## Schottky Barrier Diode

VOLTAGE RANGE: 40V

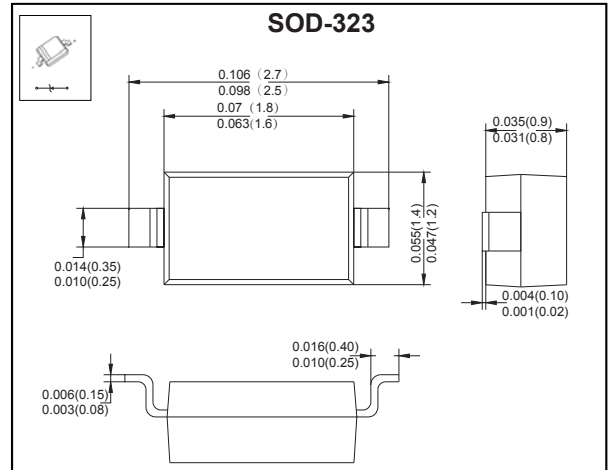
PEAK PULSE POWER: 200mW

### FEATURES

- Low current rectifier schottky diode
- Low voltage, low inductance
- For power supply

### 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	Symbol	Limit	Unit
Peak reverse voltage	V <sub>RM</sub>	45	V
DC reverse voltage	V <sub>R</sub>	40	V
Mean rectifying current	I <sub>O</sub>	0.1	A
Current Non-repetitive @t=8.3ms Peak Forward Surge	I <sub>FSM</sub>	1	A
Power dissipation	P <sub>D</sub>	200	mW
Thermal Resistance Junction to Ambient	R <sub>θJA</sub>	500	°C/W
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-55~+150	°C

## Electrical Specification (T<sub>A</sub>=25°C unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V <sub>F</sub>			0.55	V	I <sub>F</sub> =100mA
				0.34		I <sub>F</sub> =10mA
Reverse current	I <sub>R</sub>			30	μA	V <sub>R</sub> =10V
Capacitance between terminals	C <sub>T</sub>		6		pF	V <sub>R</sub> =10V, f=1MHZ

MAKING: 4

# RATINGS AND CHARACTERISTIC CURVES

## Typical Characteristics

