

## Schottky Barrier Diode

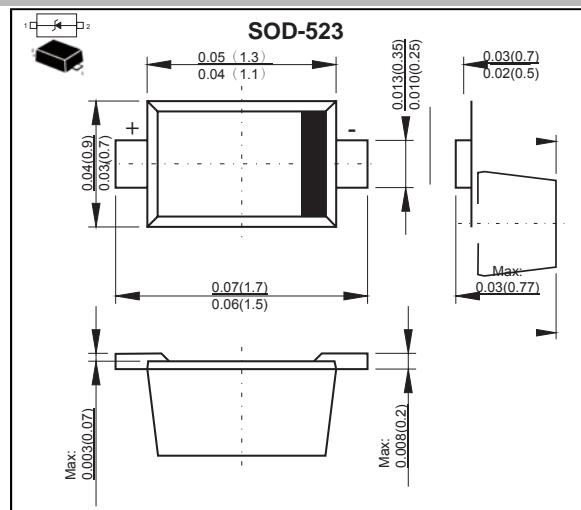
**VOLTAGE RANGE: 10V PEAK PULSE POWER:150mW**

### FEATURES

- High Speed
- High Reliability
- Small Package
- Low Forward Voltage

### MECHANICAL DATA

- Case: SOD-523 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

Symbol	Parameter	Value	Unit
VR	DC Blocking Voltage	10	V
IO	Continuous Forward Current	100	mA
IFM	Peak Forward Current	200	mA
IFSM	Non-repetitive Peak Forward Surge Current @t=8.3ms	1	A
PD	Power Dissipation	150	mW
R <sub>θJA</sub>	Thermal Resistance From Junction To Ambient	667	°C/W
T <sub>j</sub>	Junction Temperature	125	°C
T <sub>stg</sub>	Storage Temperature	-55~+150	°C

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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	V(BR)	IR=100µA	10			V
Reverse current	I <sub>R</sub>	VR=10V			20	µA
Forward voltage	VF	I <sub>F</sub> =1mA		0.18		V
		I <sub>F</sub> =5mA			0.3	
		I <sub>F</sub> =100mA			0.5	
Total capacitance	C <sub>tot</sub>	VR=0V,f=1MHz			40	pF

**MARKING: S4**