

## Schottky Barrier Diode

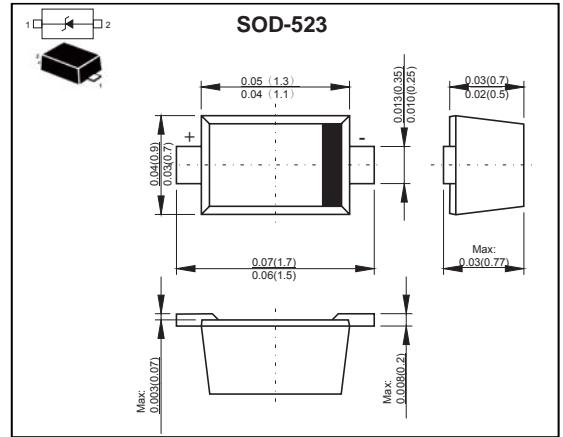
VOLTAGE RANGE: 30V PEAK PULSE POWER:150mW

### FEATURE

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

### 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

Parameter	Symbol	Limit	Unit
DC reverse voltage	VR	30	V
Mean rectifying current	IO	200	mA
Non-repetitive Peak forward surge current @ t=8.3ms	IFSM	1	A
Power dissipation	PD	150	mW
Thermal Resistance Junction to Ambient	R <sub>θ</sub> JA	667	°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	VF1			0.35	V	IF=10mA
	VF2			0.5	V	IF=200mA
Reverse current	IR			30	μA	VR=10V

MARKING: C

# RATINGS AND CHARACTERISTIC CURVES

## Typical Characteristics

