

## Schottky Barrier Diode

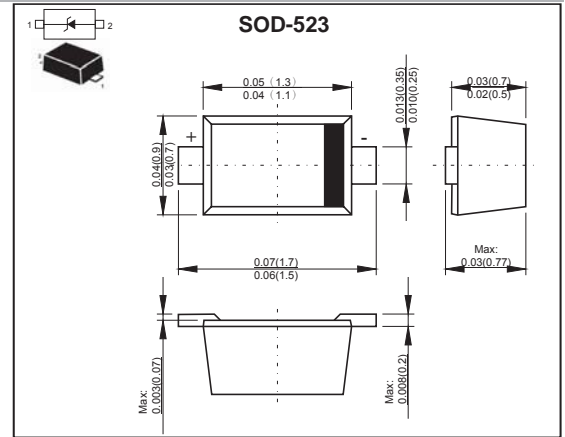
VOLTAGE RANGE: 40V PEAK PULSE POWER:150mW

### FEATURES

- Small surface mounting type
- Low IR
- 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	40	V
Mean rectifying current	IO	0.2	A
Non-repetitive peak forward surge current@t=8.3ms	IFSM	1	A
Power Dissipation	PD	150	mW
Thermal resistance from junction to ambient	RθJA	667	°C/W
Junction temperature	TJ	125	°C
Storage temperature	TSTG	-55~+150	

## Electrical Specification (TA=25@25°C unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	VF		0.304 0.446	0.39 0.55	V	IF=10mA IF=100mA
Reverse current	IR		0.605 2.837	1 10	μA	VR=10V VR=40V

MARKING: D1



# RATINGS AND CHARACTERISTIC CURVES

## Typical Characteristics

