

## SWITCHING DIODE

VOLTAGE RANGE: 40V

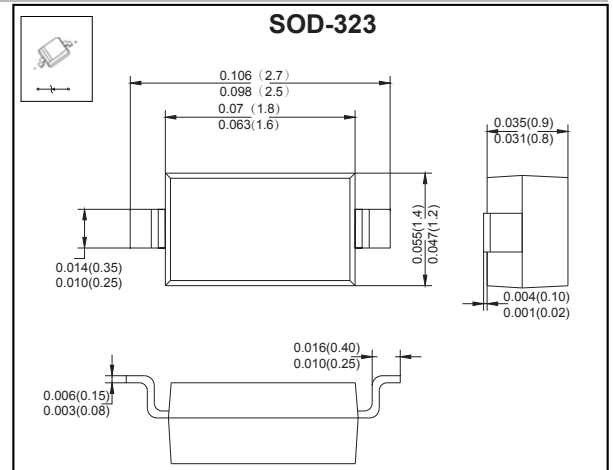
PEAK PULSE POWER: 200mW

### 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	VRM	45	V
DC reverse voltage	VR	40	V
Mean rectifying current	IO	0.1	A
Non-repetitive Peak Forward Surge Current@t=8.3ms	IFSM	1	A
Power dissipation	PD	200	mW
Thermal Resistance Junction to Ambient	RθJA	500	°C/W
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55~+150	°C

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

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	VF			0.45	V	IF=10mA
Reverse current	IR			1	μA	VR=10V
Capacitance between terminals	CT		6		pF	VR=10V, f=1MHZ

MAKING: 2

# RATINGS AND CHARACTERISTIC CURVES

## Typical Characteristics

