

SWITCHING DIODE

VOLTAGE RANGE: 30V

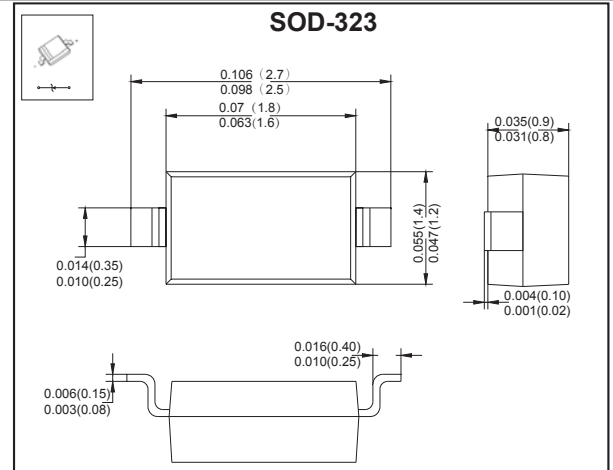
PEAK PULSE POWER:200mW

FEATURES

- For Small Current Rectification
- For Super High Speed Switching
- High-density Mounting is Possible

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

Symbol	Parameter	Value	Unit
VR	DC Blocking Voltage	30	V
VRRM	Repetitive Peak Reverse Voltage	30	V
IF	Forward Current	200	mA
IFSM	Non-repetitive Peak Forward Surge Current @ t=8.3ms	1	A
PD	Power Dissipation	200	mW
RθJA	Thermal Resistance from Junction to Ambient	500	°C/W
Tj	Junction Temperature	125	°C
Tstg	Storage Temperature	-55~+150	°C

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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	V(BR)	IR=100μA	30			V
Reverse current	IR	VR=30V			50	μA
Forward voltage	VF	IF=200mA			0.55	V
Total capacitance	Ctot	VR=0V, f=1MHz		30		pF
Reverse recovery time	trr	IF= IR=100mA, Irr=0.1×IR, RL=100Ω		3		ns

MARKING: 2B

RATINGS AND CHARACTERISTIC CURVES

Typical Characteristics

