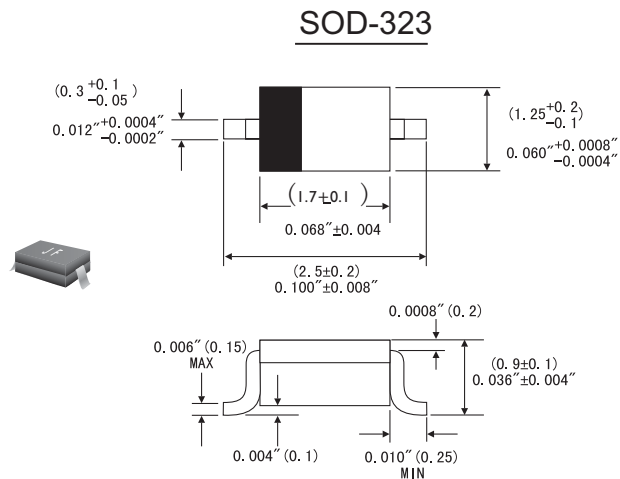


FEATURES

- Low turn-on voltage
 - Fast switching
 - Microminiature plastic package
- These diodes are protected by a PN junction guard ring against excessive voltage, such as electrostatic discharge,
- Ideal for protection of MOS devices, steering, and Coupling diodes for fast switching and low logic level applications

MECHANICAL DATA

- Case: SOD-323 plastic case
- Weight: Approx. 0.004 gram



Dimensions in inches and (millimeters)

ABSOLUTE RATINGS (LIMITING VALUES)

	Symbols	Value	Units
Continuous Reverse Voltage	V_R	30	V
Power Dissipation $T_c=25^\circ\text{C}$	P_{tot}	250 ¹⁾	mW
Forward current	I_F	200	mA
Forward voltage at $I_F=10\text{ms}$	V_{FSM}	0.75	A
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150	$^\circ\text{C}$

1) Valid provided that electrodes are kept at ambient temperature

ELECTRICAL CHARACTERISTICS

(Ratings at 25°C ambient temperature unless otherwise specified)

	Symbols	Min.	Typ.	Max.	Units
Reverse breakover voltage at $I_R=0.1\text{mA}$	V_R	30			V
Leakage current at $V_R=30\text{V}$	I_R			1.0	μA
Forward voltage drop at $I_F=2.0\text{mA}$ $I_F=15\text{mA}$ $I_F=100\text{mA}$ $I_F=200\text{mA}$	V_F V_F V_F V_F		300 360 470 580	550 800	mV mV mV mV
Junction Capacitance at $V_R=1\text{V}$, $f=1\text{MHz}$	C_J			Max.7.0	pF
Thermal resistance, junction to Ambient	$R_{\theta JA}$			500 ¹⁾	K/W

1) Valid provided that electrodes are kept at ambient temperature