

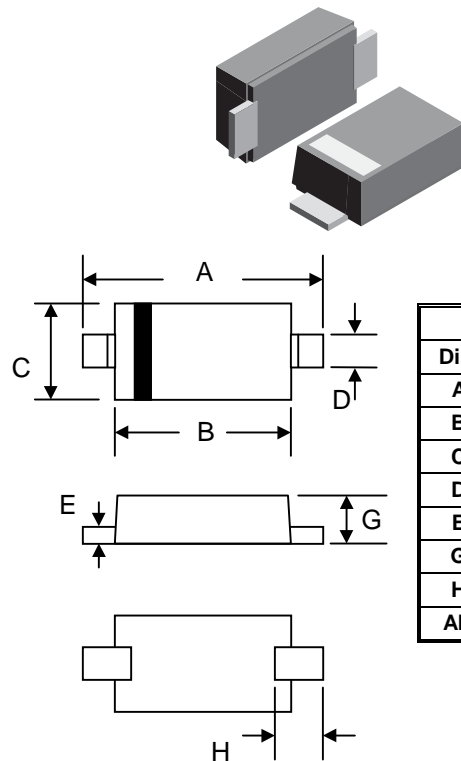
**VOLTAGE RANGE: 45V**  
**CURRENT: 200mA**

### Features

- Small surface mounting type
- Low I<sub>R</sub>
- High reliability

### Mechanical Data

- Case: SOD-323 Plastic Case
- Weight: approx. 0.004 g
- Marking Code: A6



SOD-323		
Dim	Min	Max
A	2.30	2.70
B	1.75	1.95
C	1.15	1.35
D	0.25	0.35
E	0.05	0.15
G	0.70	0.95
H	0.30	—
All Dimensions in mm		

### Maximum Ratings @ T<sub>A</sub> = 25°C unless otherwise specified

#### Absolute Maximum Ratings (T<sub>a</sub> = 25 °C)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V <sub>RM</sub>	45	V
Power Dissipation	P <sub>tot</sub>	200	mW
Reverse Voltage	V <sub>R</sub>	40	V
Mean Rectifying Current	I <sub>O</sub>	0.1	A
Peak Forward Surge Current (60 Hz for 1 Cyc.)	I <sub>FSM</sub>	1	A
Junction Temperature	T <sub>j</sub>	125	°C
Storage Temperature Range	T <sub>s</sub>	- 40 to + 125	°C

#### Characteristics at T<sub>a</sub> = 25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage at I <sub>R</sub> = 100 μA	V <sub>(BR)R</sub>	45	-	-	V
Forward Voltage at I <sub>F</sub> = 10 mA	V <sub>F</sub>	-	-	0.45	V
Reverse Current at V <sub>R</sub> = 10 V	I <sub>R</sub>	-	-	1	μA
Capacitance Between Terminals at V <sub>R</sub> = 10 V, f = 1 MHz	C <sub>T</sub>	-	6	-	pF

Note: ESD sensitive product handling required.

