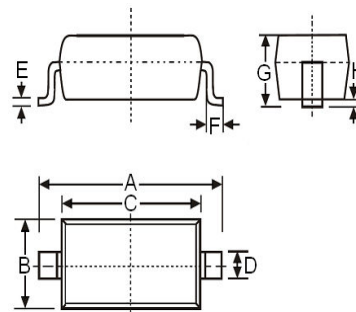


**SURFACE MOUNT
SCHOTTKY BARRIER DIODE**
**REVERSE VOLTAGE – 40 Volts
FORWARD CURRENT – 0.35 Ampere**
FEATURES

- Extremely low VF drop
- Guard Ring Construction for Transient protection
- Negligible Reverse Recovery Time

MECHANICAL DATA

- Case: SOD-323 Plastic
- Case Material: “Green” molding compound, UL flammability classification 94V-0, (No Br. Sb. Cl)
- Moisture Sensitivity: Level 1 per J-STD-020D
- Lead Free in RoHS 2002/95/EC Compliant

SOD-323


SOD-323		
Dim.	Min.	Max.
A	2.50	2.70
B	1.20	1.40
C	1.60	1.80
D	0.25	0.35
E	0.08	0.15
F	0.25	0.40
G	---	1.0
H	0.00	0.10
Dimensions in millimeter		

Maximum Ratings & Thermal Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	SD103AWS	Units
Repetitive Peak reverse voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RM}	40	V
Peak Forward Current	I _{FM}	350	mA
Non-Repetitive Peak Forward Surge Current @t<1.0s	I _{FSM}	1.5	A
Power Dissipation	P _D	200	mW
Thermal Resistance Junction to Ambient	R _{θJA}	635	°C/W
Operating Temperature Range	T _J	125	°C
Storage Temperature Range	T _{STG}	-65~+125	°C

Electrical Characteristics @ T_A = 25°C unless otherwise specified


Characteristic	Test Condition	Symbol	SD103AWS	Unit
Reverse Breakdown Voltage	I _R = 10uA	V _{BR}	40	V
Maximum Forward Voltage	I _F = 20mA I _F = 200mA	V _F	370 600	mV
Maximum DC Reverse Current at Rated DC Blocking Voltage	V _R = 25V	I _R	1.0	uA

REV. 0, Aug-2013, KSHR73

RATING AND CHARACTERISTIC CURVES
SD103AWS



Device Marking:

Device P/N	Marking	Equivalent Circuit Diagram
SD103AWS	6S	1  2

Important Notice and Disclaimer

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New Marking Rule Notification

Range: In order to have well management in process control, the new marking rule is applied to small signal device including Switching Diode, Transistor and Schottky Diode.

Package: SOD-123 / SOD-323 / SOD-523

