



**THE DATASHEET OF
SD103BWS-TP**





Micro Commercial Components



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SD103AWS
THRU
SD103CWS

400mW Small Signal
Schottky Diode
20 to 40 Volts

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
Guard Ring Construction for Transient Protection
Negligible Reverse recovery time
Low Reverse Capacitance and Low Forward Voltage Drop
Marking : SD103AWS: S4 ,SD103BWS: S5 , SD103CWS: S6
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

- Operating Temperature: -65°C to +125°C
Storage Temperature: -65°C to +125°C
Maximum Thermal Resistance; 300°C/W Junction to Ambient

Table with 4 columns: MCC Part Number, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include SD103AWS, SD103BWS, and SD103CWS.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Notes. Parameters include Average Forward Current, Peak Forward Surge Current, Maximum Power Dissipation, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current At Rated DC Blocking Voltage, Typical Junction Capacitance, and Typical Reverse Recovery Time.

Note: 1.Valid provided that electrodes are kept at ambient Temperature

SOD-323

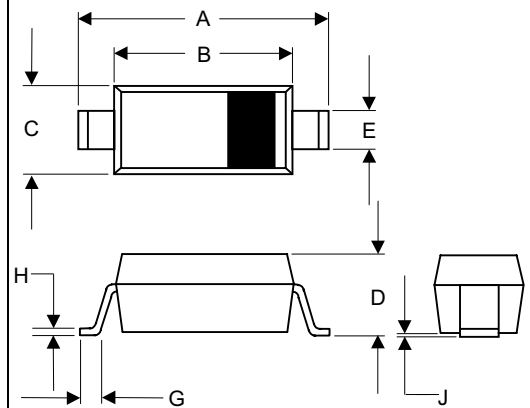
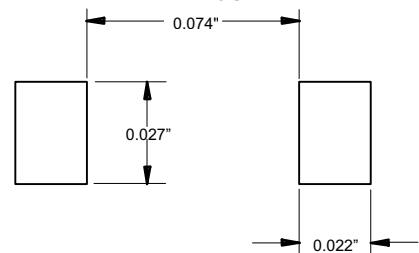


Table with 5 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Lists dimensions A through J.

SUGGESTED SOLDER PAD LAYOUT



SD103AWS thru SD103CWS

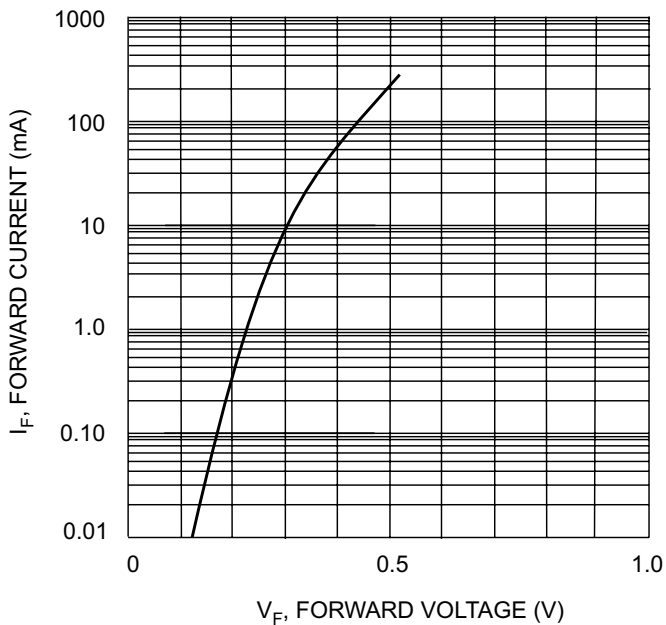


Fig. 1 Typical Forward Characteristics

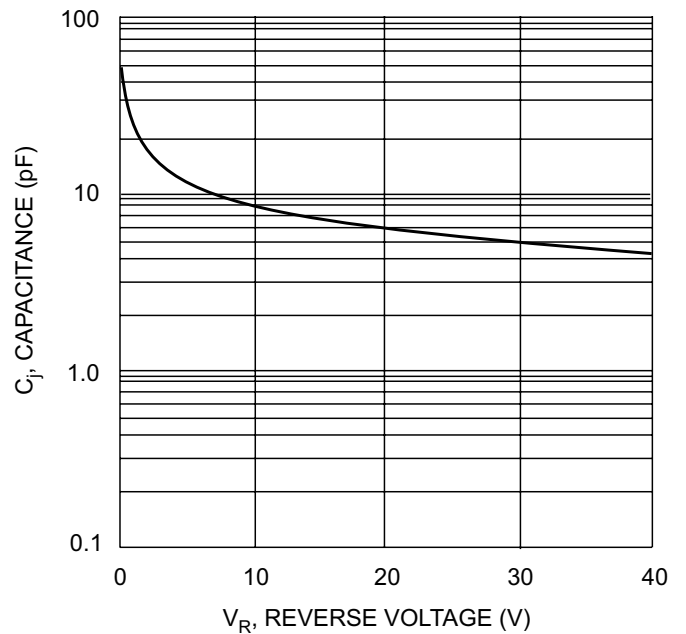


Fig. 2 Typ. Junction Capacitance vs Reverse Voltage



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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