



THE DATASHEET OF SD103CW-TP





Micro Commercial Components



Micro Commercial Components
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SD103AW
THRU
SD103CW

Features

- Halogen free available upon request by adding suffix "-HF"
Lead Free Finish/RoHS Compliant("P" Suffix
designates RoHS Compliant. See ordering information)
Guard Ring Protection
Low Forward Voltage Drop
Low Power Loss For High Efficiency
Device Marking Code: SD103AW: S4
SD103BW: S5
SD103CW: S6

Maximum Ratings

- Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Operating Temperature: -55°C to +125°C
Storage Temperature: -55°C to +150°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 SD103AW, SD103BW, SD103CW.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Average Forward Current, Peak Forward Surge Current, Maximum Power Dissipation, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current, Typical Junction Capacitance, Typical Reverse Recovery Time.

Note: 1. Valid provided that electrodes are kept at ambient Temperature
2. Pulse test: Pulse width 300 µsec, Duty cycle 2%

400mW Small Signal
Schottky Diode
20 to 40 Volts

SOD-123

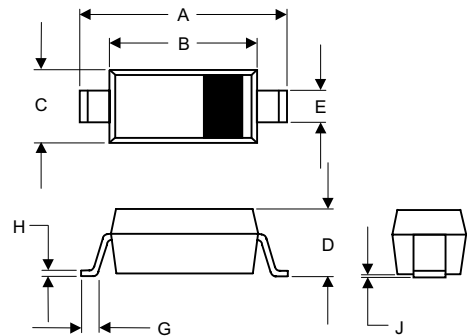
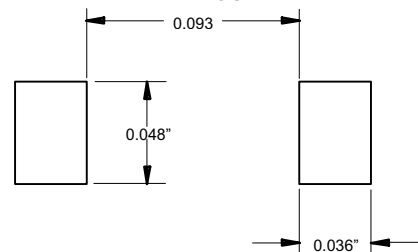


Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows include dimensions A through J.

SUGGESTED SOLDER
PAD LAYOUT



SD103AW thru SD103CW

Figure 1
Typical Forward Characteristics

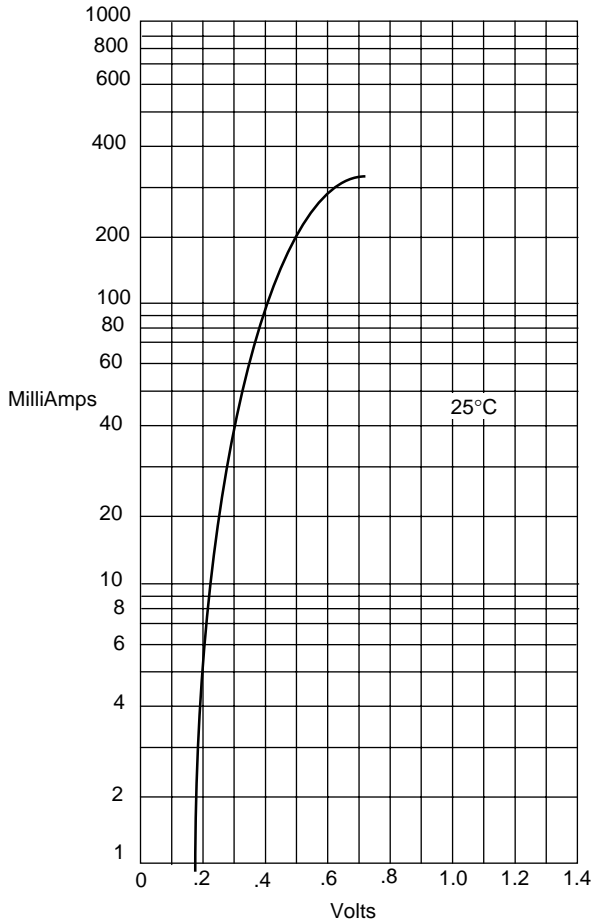


Figure 2
Typical Junction Capacitance

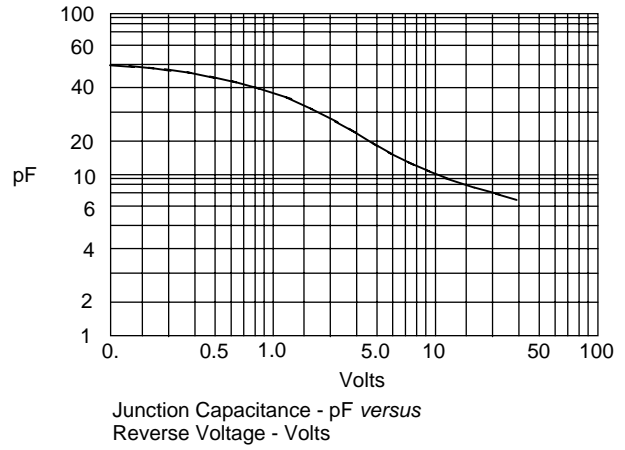
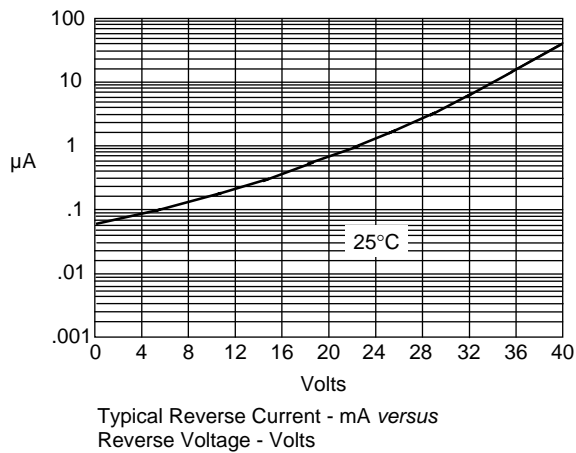


Figure 3
Typical Reverse Characteristics





TM

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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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