

SD103AW

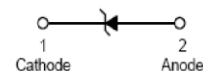
SD103AW Schottky Barrier Diode

General description

400mW SOD-123 SURFACE MOUNT
Very Small Outline Flat Lead Plastic Package

FEATURES

- Low Forward Voltage Drop
- Flat Lead SOD-123 Small Outline Plastic Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode
- Weight: approx. 0.01g



SOD-123

Device Marking Code:

Device Type	Device Marking
SD103AW	S4

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation	400	mW
T _{STG}	Storage Temperature Range	-65 to +125	°C
T _J	Operating Junction Temperature	+125	°C
V _{RM}	Repetitive Peak Reverse Voltage SD103AW	40	V
I _{F(AV)}	Average Forward Rectified Current	200	mA

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits			Unit
			Min	Typ	Max	
I _R	Reverse Leakage Current	V _R =30V	---	---	5	μA
V _F	Forward Voltage	I _F =20mA I _F =200mA	---	---	0.37 0.60	Volts
C _d	Junction Capacitance	V _R =0V f= 1MHz	---	50	---	pF

Typical Characteristics

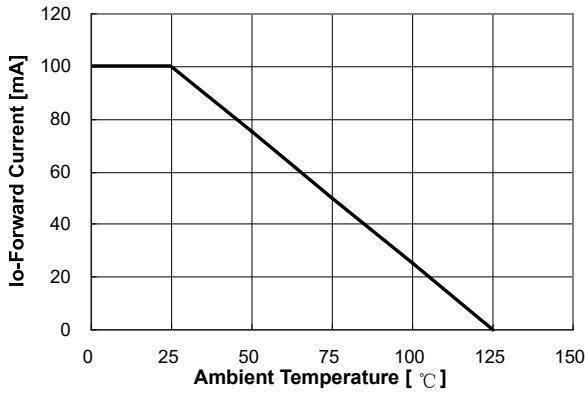


Figure 1. Forward Current Derating Curve

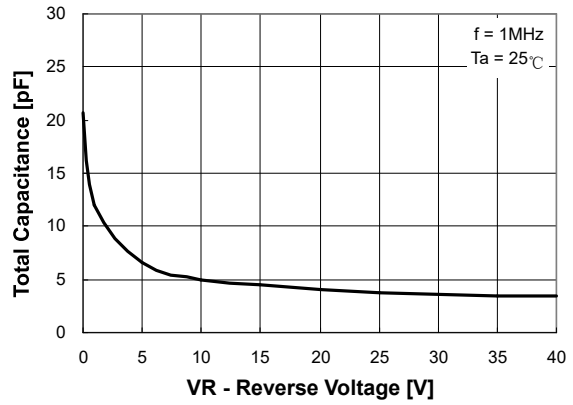


Figure 2. Total Capacitance

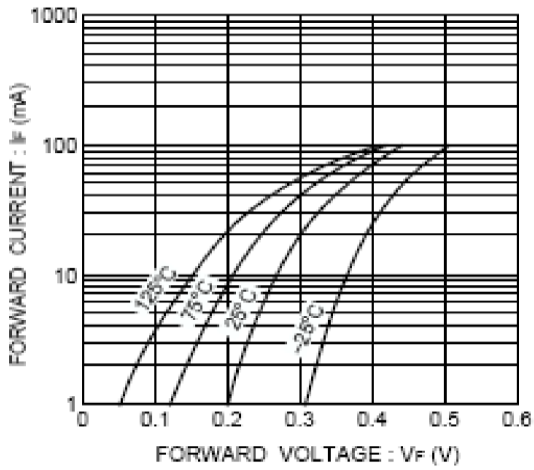


Figure 3. Forward Characteristics

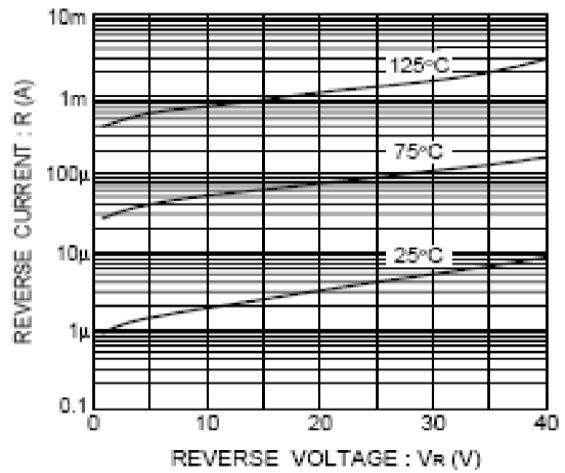
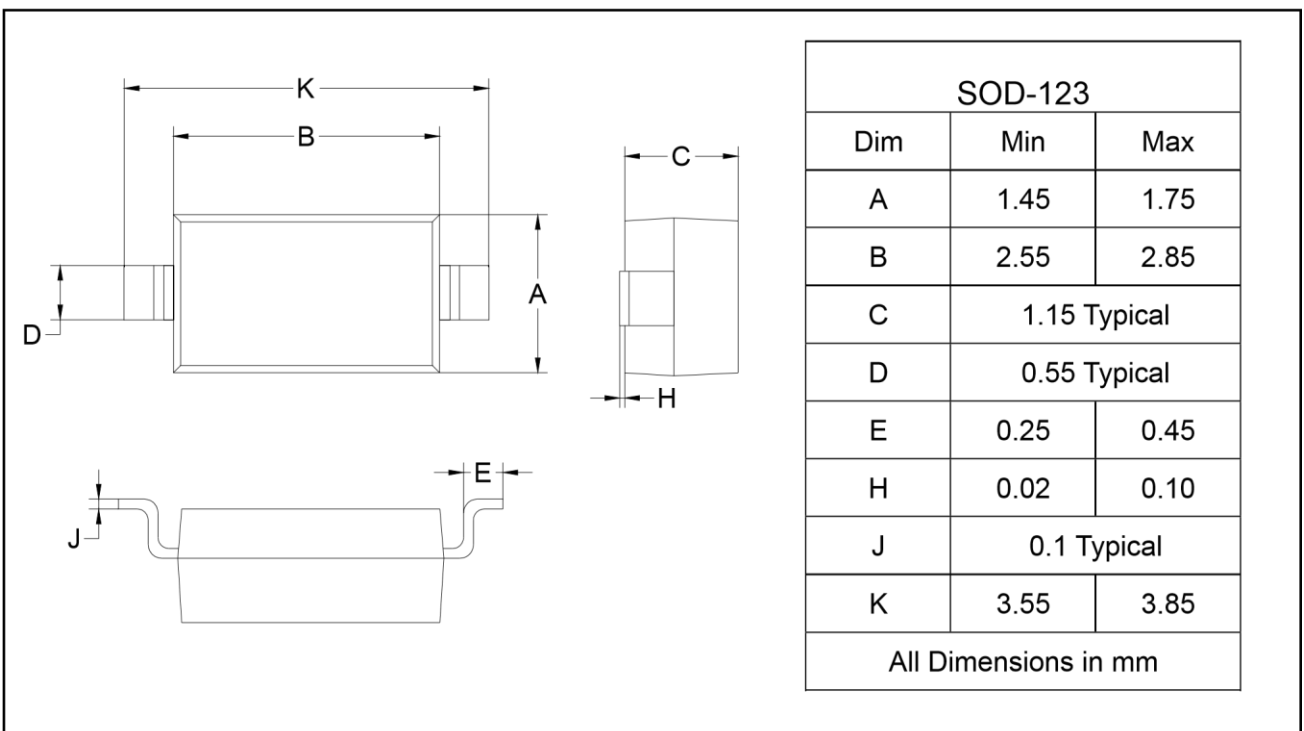


Figure 4. Forward Characteristics

SOD-123 Package Outline



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