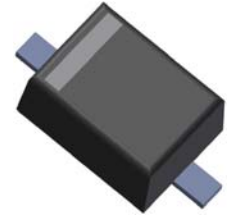
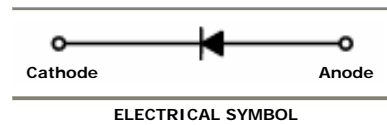




YEA SHIN TECHNOLOGY CO., LTD SD103AWSFL/ BWSFL/ CWSFL
200mW SOD-323 SURFACE MOUNT
Small Outline Flat Lead Plastic Package
Schottky Barrier Diode



SOD-323 Flat Lead



Absolute Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Value	Units
P_D	Power Dissipation	200	mW
T_{STG}	Storage Temperature Range	-65 to +125	$^\circ\text{C}$
T_J	Operating Junction Temperature	+125	$^\circ\text{C}$
V_{RM}	Repetitive Peak Reverse Voltage	SD103AWSFL 40	V
		SD103BWSFL 30	V
		SD103CWSFL 20	V
$I_{F(AV)}$	Average Forward Rectified Current	200	mA
I_{FSM}	Peak Forward Surge Current (10 μs square wave)	2	A

These ratings are limiting values above which the serviceability of the diode may be impaired.

Specification Features:

- Low Forward Voltage Drop
- Flat Lead SOD-323 Small Outline Plastic Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Terminal Finish
- Band Indicates Cathode
- Weight: approx. 0.004g

DEVICE MARKING CODE:

Device Type	Device Marking
SD103AWSFL	JV
SD103BWSFL	JW
SD103CWSFL	JX

Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Test Condition	Limits			Unit
			Min	Typ	Max	
I_R	Reverse Leakage Current	SD103AWSFL $V_R=30\text{V}$	---	---	5	μA
		SD103BWSFL $V_R=20\text{V}$				
		SD103CWSFL $V_R=10\text{V}$				
V_F	Forward Voltage	$I_F=20\text{mA}$	---	---	0.37	Volts
		$I_F=200\text{mA}$				
C_t	Junction Capacitance	$V_R=0\text{V}$ $f=1\text{MHz}$	---	50	---	pF

DEVICE CHARACTERISTICS

SD103AWSFL/ BWSFL/ CWSFL

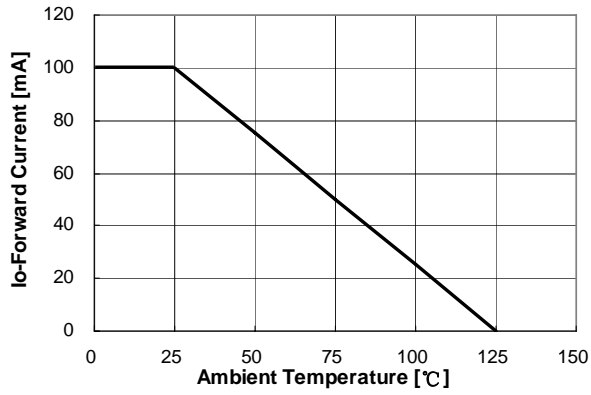


Figure 1. Forward Current Derating Curve

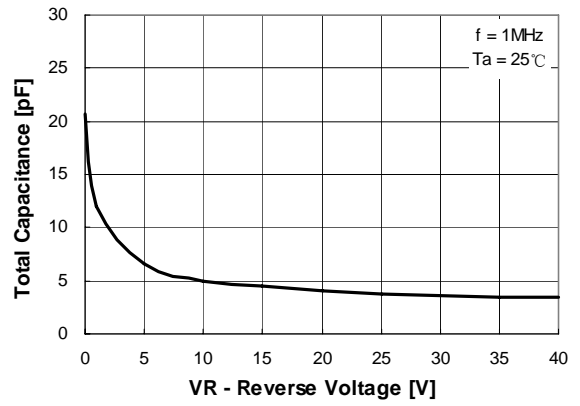


Figure 2. Total Capacitance

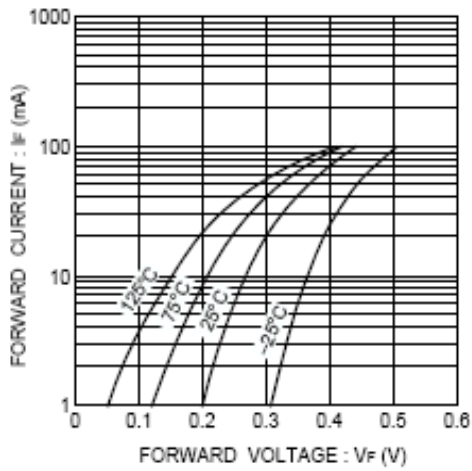


Figure 3. Forward Characteristics

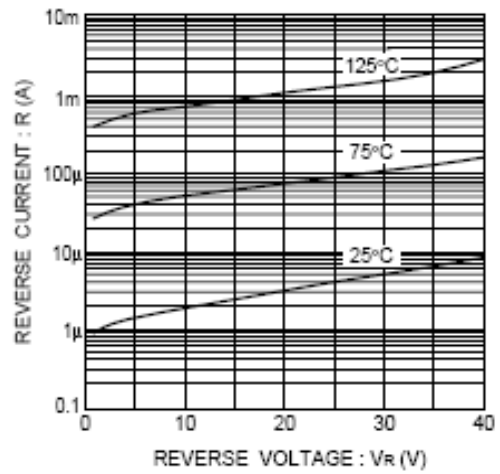
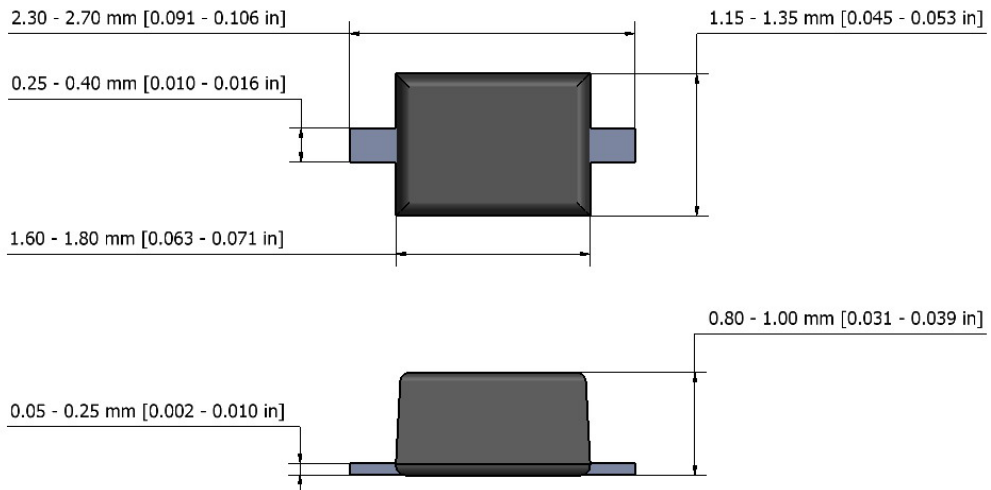


Figure 4. Forward Characteristics

PACKAGE OUTLINE & DIMENSIONS

SD103AWSFL/BWSFL/CWSFL

SOD-323 Package Outline



NOTES:

1. The above package outline is similar to JEITA SC-90.
2. Dimensions are exclusive of Burrs, Mold Flash & Tie Bar extrusions.