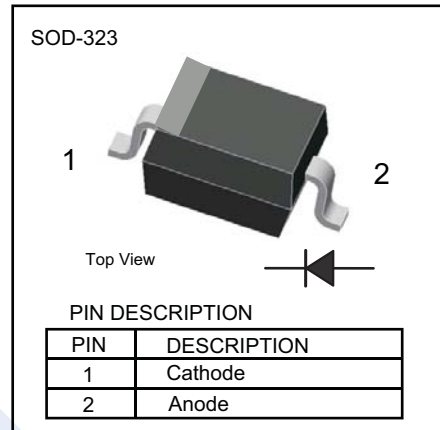


Schottky Diodes

SD103AWS/BWS/CWS

■ Features

- Low Positive Pressure Drop.
- Can Ignore the Reverse Recovery Time.



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating			Unit
		SD103AWS	SD103BWS	SD103CWS	
Peak Repetitive Reverse Voltage	VRRM	40	30	20	V
Working Peak Reverse Voltage	VRWM				
DC Reverse Voltage	VR				
RMS Reverse Voltage	VR(RMS)	28	21	14	
Non-Repetitive Peak Forward Current	IFM	350			mA
Non-Repetitive Peak Forward Surge Current	IFSM	1.5			A
Power Dissipation	Pd	200			mW
Thermal Resistance Junction to Ambient	R θ JA	625			°C/W
Junction Temperature	TJ	125			°C
Storage Temperature range	Tstg	-55 to 125			

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V _R	I _R = 10 uA	V _R			V
Forward voltage Drop	V _{FM}	I _F = 20 mA			0.37	
		I _F = 200 mA			0.6	
Instantaneous Reverse current	I _{RM}	V _R = 30 V SD103AWS			5	uA
		V _R = 20 V SD103BWS				
		V _R =10 V SD103CWS				
Total capacitance	C _T	V _R = 0 V, f= 1 MHz	10			pF
Reverse recovery time	t _{rr}	I _F =I _R =200mA, I _{rr} =0.1xI _R , R _L =100Ω	50			ns

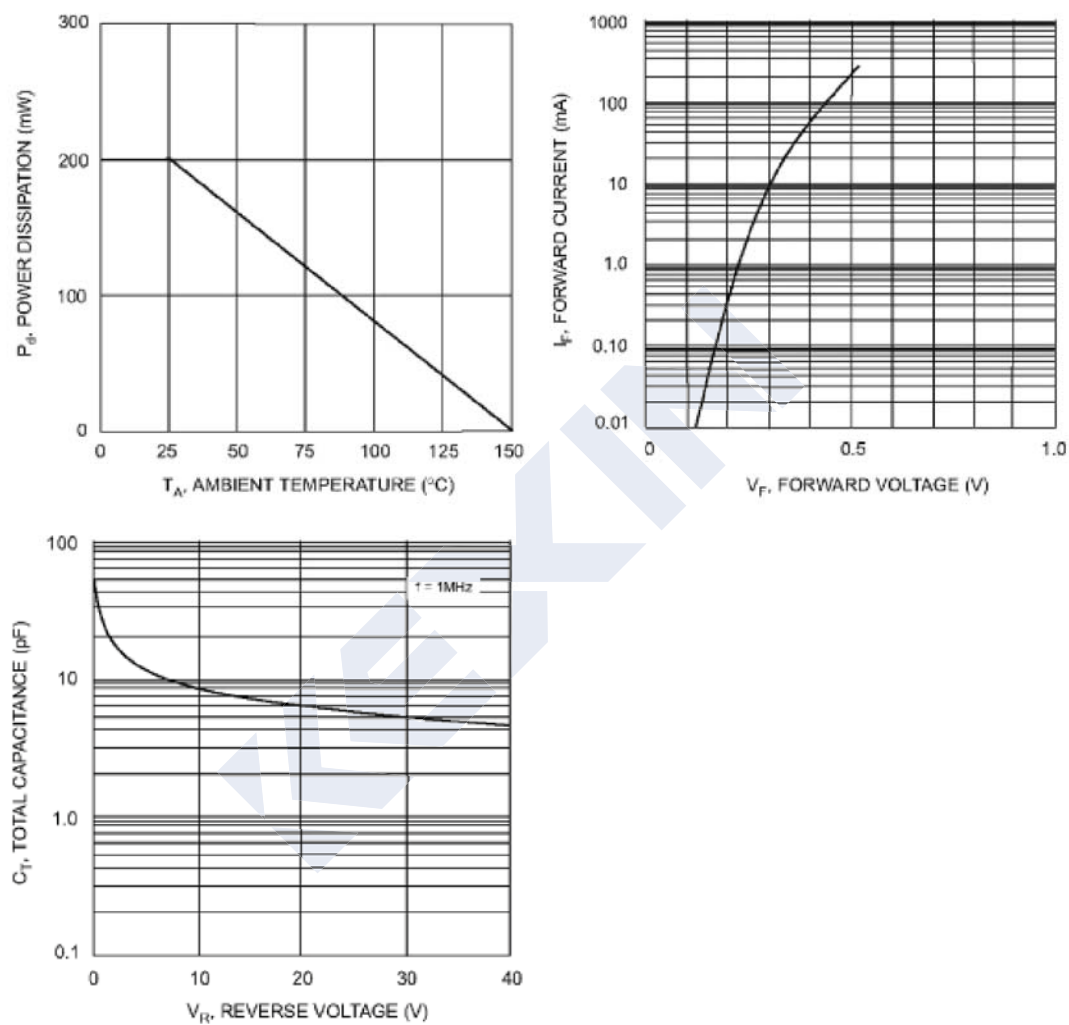
■ Marking

Model	SD103AWS	SD103BWS	SD103CWS
Marking	S4	S5	S6

Schottky Diodes

SD103AWS/BWS/CWS

■ Typical Characteristics



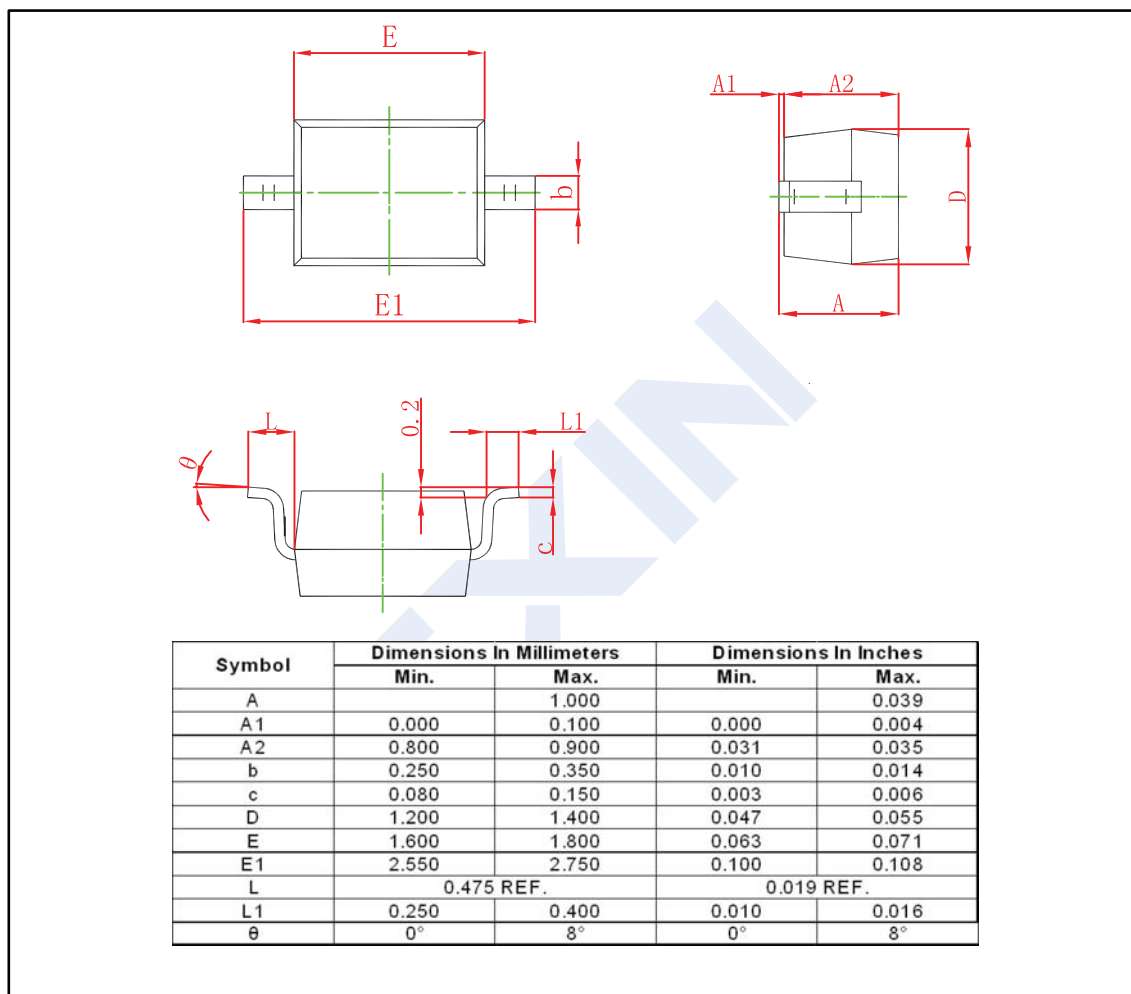
Schottky Diodes

SD103AWS/BWS/CWS

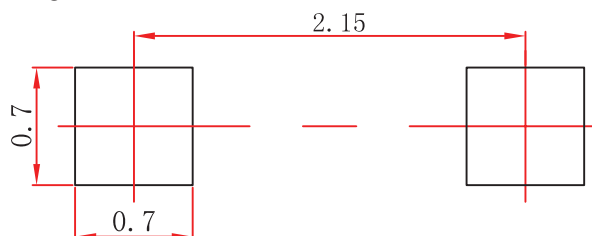
■ Package Outline Dimensions

Plastic surface mounted package; 2 leads

SOD-323



■ The Recommended Mounting Pad Size



Note:

1. Controlling dimension: in millimeters.
2. General tolerance: $\pm 0.05\text{mm}$.
3. The pad layout is for reference purposes only.