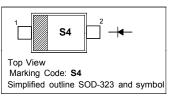
SD103AWS...SD103CWS Surface Mount Schottky Barrier Diodes

Features

Low Forward Voltage

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



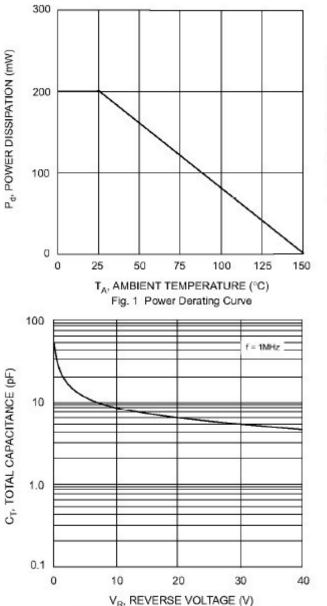
Absolute Maximum Ratings (T_a = 25 °C)

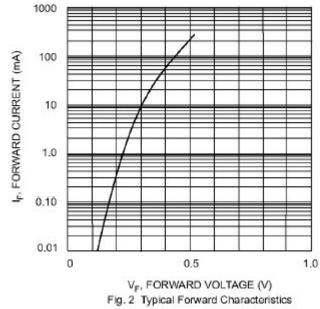
Parameter		Symbol	Value	Unit
Peak Repetitive Reverse Voltage	SD103AWS SD103BWS SD103CWS	V_{RRM}	40 30 20	V
Reverse Voltage	SD103AWS SD103BWS SD103CWS	V_{R}	40 30 20	V
Average Forward Rectified Current		$I_{F(AV)}$	350	mA
Non-Repetitive Peak Forward Surge Current at t = 1 s		I _{FSM}	2	А
Power Dissipation		P _{tot}	200	mW
Operating and Storage Temperature Range	е	T_{j},T_{stg}	- 65 to + 125	°C

Characteristics at T_a = 25 °C

Parameter		Symbol	Min.	Тур.	Max.	Unit
Reverse Breakdown Voltage						
at I _R = 10 μA	SD103AWS	$V_{(BR)R}$	40	-	-	V
	SD103BWS		30	-	-	V
	SD103CWS		20	-	-	
Reverse Leakage Current						
at V _R = 30 V	SD103AWS	l _R	-	-	5	
at V _R = 20 V	SD103BWS		-	-	5	μA
at $V_R = 10 \text{ V}$	SD103CWS		1	-	5	
Forward Voltage						
at I _F = 20 mA		V_{F}	-	-	0.37	V
at I _F = 200 mA			-	-	0.6	
Total Capacitance at V _R = 0 V, f = 1 MHz		Ст	-	50	-	pF
Reverse Recovery Time at $I_F = I_R = 200$ mA, $I_{rr} = 0.1$ I_R , $R_L = 100$ Ω		t _{rr}	-	10	-	ns

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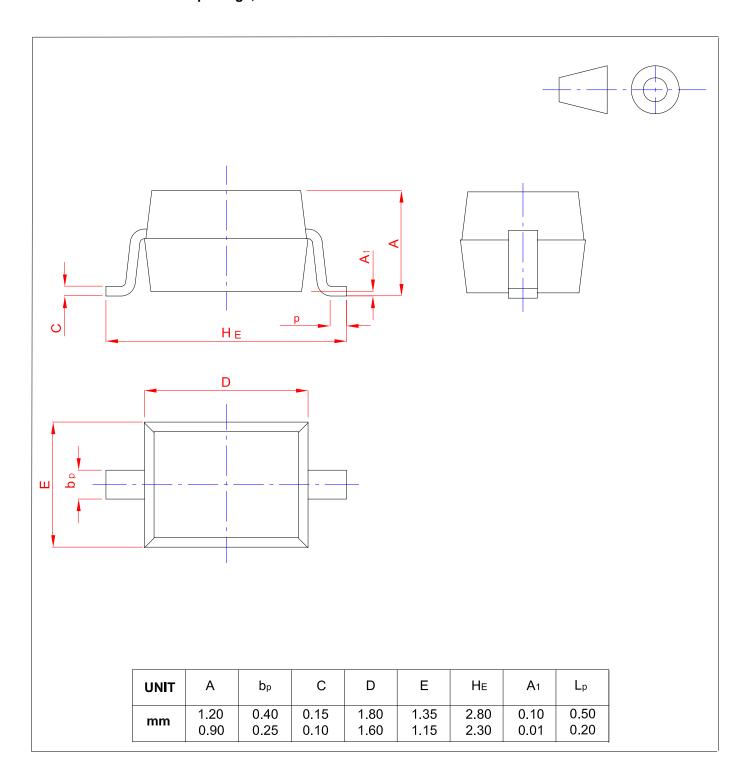
V_R, REVERSE VOLTAGE (V) Fig. 3 Total Capacitance vs Reverse Voltage

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PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



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