

Micro Commercial Components

Features



Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

Phone: (818) 701-4933 Fax: (818) 701-4939

SD101AW THRU SD101CW

Small Signal

Schottky Diodes

Mechanical Data

Guard ring.

Epoxy meets UL 94 V-0 flammability rating

Lead Free Finish/RoHS Compliant ("P" Suffix

designates RoHS Compliant. See ordering information)

The SD101AW to SD101CW series is a Metal-on-silicon

Schottky barrier device which is protected by a PN junction

Moisture Sensitivity Level 1

Low Forward Voltage Drop

Polarity: Indicated by Cathode Band

For general purpose applications

Marking: SD101AW---S1; SD101BW---S2; SD101CW---S3

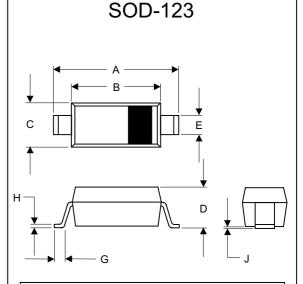
Maximum Ratings @ 25°C Unless Otherwise Specified

Characteristic	Symbol	SD101AW	SD101BW	SD101CW
Peak Repetitive Reverse Voltage	VRRM			
Working Peak Reverse Voltage	VRWM	60V	50V	40V
DC Blocking Voltage	VR			
Maximum sigle cycle surge 10us square wave	I _{FSM}		2.0A	
Power Dissipation(Note 1)	Pd		400mW	
Thermal Resistance, Junction to Ambient	R		300K/W	
Junction Tmperature	T j		125°C	
Storage Temp. Range	Тѕтс	-	55 to +150°	С

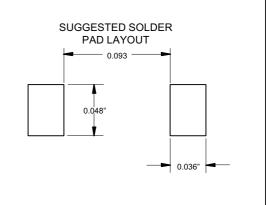
Electrical Characteristics @ 25°C Unless Otherwise Specified

Charateristic		Symbol	Max	Test Condition
Leakage Current	SD101AW		200nA	V _R =50V
	SD101BW	lR	200nA	V _R =40V
	SD101CW		200nA	V _R =30V
Maximum Forward	SD101AW		0.41V	
Voltage Drop	SD101BW		0.4V	
	SD101CW	VF	.39V	I _F =1mA
	SD101AW	V F	1V	I _F =15mA
	SD101BW		0.95V	
	SD101CW		0.9V	
Junction Cap.	SD101AW		2.0pF	
·	SD101BW	Cj	2.1pF	V _R =0V, f=1.0MHz
	SD101CW		2.2pF	
Reverse Recovery Time		t _{rr}	1ns	I _F =I _R =5mA, recover
				to 0.11R

1. Valid provided that electrodes are kept at ambient temperature



DIM	INCHES		N	NOTE	
	MIN	MAX	MIN	MAX	
Α	.140	.152	3.55	3.85	
В	.100	.112	2.55	2.85	
С	.055	.071	1.40	1.80	
D		.053		1.35	
Е	.012	.031	0.30	.78	
G	.006		0.15		
Н		.01		.25	
J		.006		.15	





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Ordering Information:

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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