



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SD101AW THRU SD101CW

Small Signal Schottky Diodes

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- For general purpose applications
- The SD101AW to SD101CW series is a Metal-on-silicon Schottky barrier device which is protected by a PN junction Guard ring.
- Low Forward Voltage Drop

Mechanical Data

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Polarity: Indicated by Cathode Band
- Marking : SD101AW---S1 ; SD101BW---S2; SD101CW---S3

Maximum Ratings @ 25°C Unless Otherwise Specified

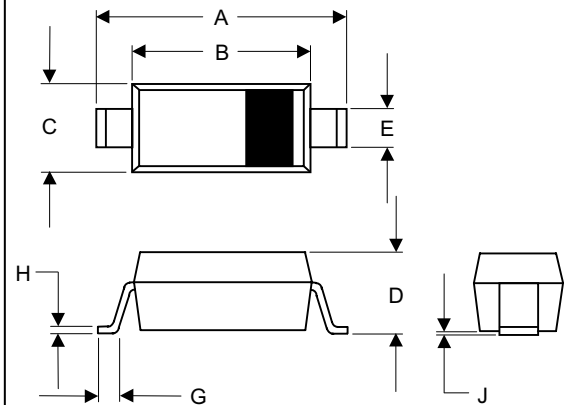
Characteristic	Symbol	SD101AW	SD101BW	SD101CW
Peak Repetitive Reverse Voltage	V_{RRM}			
Working Peak Reverse Voltage	V_{RWM}	60V	50V	40V
DC Blocking Voltage	V_R			
Maximum single cycle surge 10us square wave	I_{FSM}	2.0A		
Power Dissipation(Note 1)	P_d	400mW		
Thermal Resistance, Junction to Ambient	R	300K/W		
Junction Temperature	T_j	125°C		
Storage Temp. Range	T_{STG}	-55 to +150°C		

Electrical Characteristics @ 25°C Unless Otherwise Specified

Characteristic	Symbol	Max	Test Condition
Leakage Current	I_R	200nA	$V_R=50V$
		200nA	$V_R=40V$
		200nA	$V_R=30V$
Maximum Forward Voltage Drop	V_F	0.41V	$I_F=1mA$ $I_F=15mA$
		0.4V	
		.39V	
		1V	
		0.95V	
		0.9V	
Junction Cap.	C_j	2.0pF	$V_R=0V, f=1.0MHz$
		2.1pF	
		2.2pF	
Reverse Recovery Time	t_{rr}	1ns	$I_F=I_R=5mA, recover to 0.1I_R$

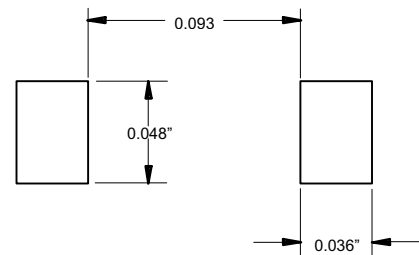
Notes: 1. Valid provided that electrodes are kept at ambient temperature

SOD-123



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.140	.152	3.55	3.85	
B	.100	.112	2.55	2.85	
C	.055	.071	1.40	1.80	
D	-----	.053	-----	1.35	
E	.012	.031	0.30	.78	
G	.006	-----	0.15	-----	
H	-----	.01	-----	.25	
J	-----	.006	-----	.15	

SUGGESTED SOLDER PAD LAYOUT





Micro Commercial Components

Ordering Information :

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

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