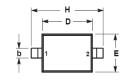


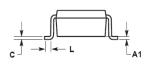
SD101AWS

SURFACE MOUNT SCHOTTKY BARRIER DIODE

Features

- Low Forward Voltage Drop.
- Guard Ring Construction for Transient Protection.
- Negligible Reverse Recovery Time.
- Ultra-small Surface Mount Package.
- Marking: S1







SOD-323						
Dim.	Min.	Max.				
Α	0.80	1.10				
A1	0.00	0.10				
A3	0.15	0.15 REF				
В	0.25	0.40				
С	0.10	0.15				
D	1.60	1.80				
E	1.15	1.35				
L	0.20	0.50				
Н	2.30	2.80				
Dimensions in millimeter						

Maximum Ratings @ T_A = 25°C unless otherwise specified

Symbol	Parameter	Value	Unit
V_{RRM}	Repetitive Peak Reverse Voltage		
V _{RWM}	Working Peak Reverse Voltage	60	V
V_R	DC Blocking Voltage		
V _{R(RMS)}	RMS reverse voltage	42	V
I _{FM}	Forward Continuous Current	15	mA
I _{FSM}	Non-repetitive Peak Forward Surge Current @t=8.3ms	2	А
P _D	Power Dissipation	200	mW
Roja	Thermal Resistance from Junction to Ambient	500	°C/W
T _j	Junction Temperature	125	℃
T _{stg}	Storage Temperature	-50~+150	℃

Electrical Characteristics @ T_A = 25°C unless otherwise specified

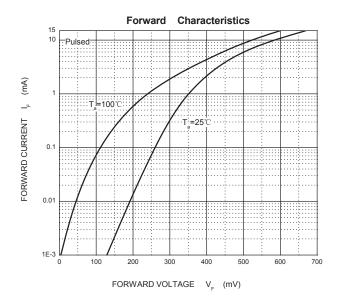
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Reverse voltage	$V_{(BR)}$	I _R =10µA	60			V
Reverse current	I _R	V _R =50V			0.2	μΑ
Forward voltage	V _F	I _F =1mA			0.41	V
		I _F =15mA			1	
Total capacitance	C _{tot}	V _R =0V,f=1MHz			2	pF
Reverse recovery time	t _{rr}	$I_F = I_R = 5 \text{mA}, I_{rr} = 0.1 \times I_R, R_L = 100 \Omega$			1	ns

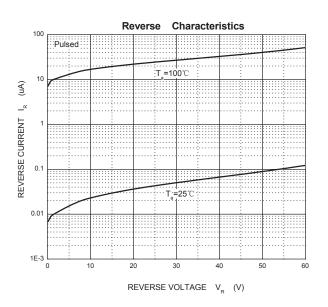


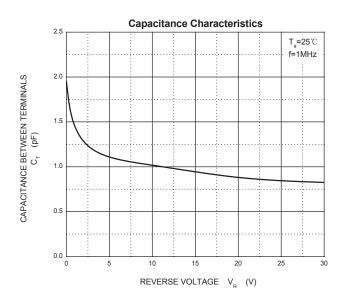
SD101AWS

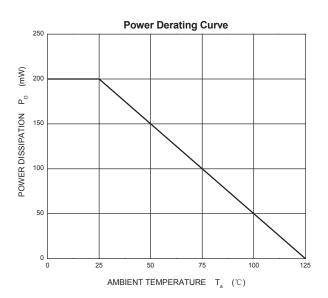
SURFACE MOUNT SCHOTTKY BARRIER DIODE

TYPICAL TRANSIENT CHARACTERISTICS









http://www.hc-semi.com





SURFACE MOUNT SCHOTTKY BARRIER DIODE

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