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SOD-323



FEATURES

- Low Forward Voltage Drop
- Guard Ring Construction for Transient Protection
- Negligible Reverse Recovery Time
- Low Reverse Capacitance

MARKING:

SD103AWS:S4	SD103BWS:S5	SD103CWS:S6		
- III S4 III +	- II S 5 III +	- I S 6 II +		

Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25℃

Parameter	Symbol	SD103AWS	SD103BWS	SD103CWS	Unit
Peak Repetitive Peak Reverse Voltage	V_{RRM}				
Working Peak Reverse Voltage	V_{RWM}	40	30	20	V
DC Blocking Voltage	V_R				
RMS Reverse Voltage	V _{R(RMS)}	28	21	14	V
Forward Continuous Current	I _{FM}	350		mA	
Bcblfepetitive Peak Forward Surge Current @t1, " a s	I _{FSM}	2.0		А	
Power Dissipation	Pd	200		mW	
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500		°C/W	
Junction Temperature	Tj	-40~+125			$^{\circ}$
Storage Temperature	T _{STG}	-55~+150 °C			$^{\circ}\!\mathbb{C}$

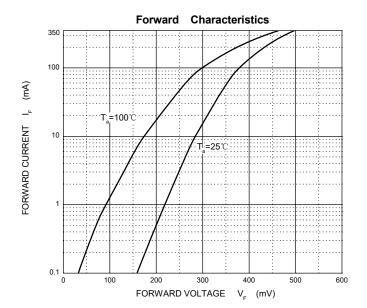
Electrical Ratings @Ta=25℃

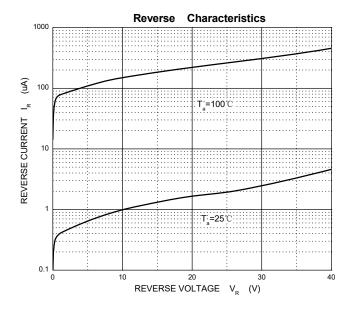
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Reverse breakdown voltage						
SD103AWS	.,	40			V	I _R =100μA
SD103BWS	$V_{(BR)}$	30				I _R =100μA
SD103CWS		20				I _R =100μA
Famuund valtana				0.37	V	I _F =20mA
Forward voltage	V _F			0.60		I _F =200mA
Reverse current						
SD103AWS				5.0		V _R =30V
SD103BWS	I _{RM}			5.0	μA	V _R =20V
SD103CWS						V _R =10V
Capacitance between terminals	Ст			50	pF	V _R =0V,f=1.0MHz
Doverno magazini di ma	t _{rr}		10	10	ns	$I_F=I_R=200$ mA
Reverse recovery time						Irr=0.1 XI_R , R_L =100 Ω

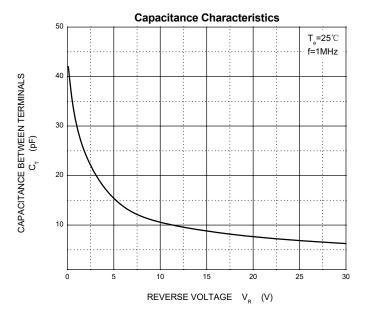


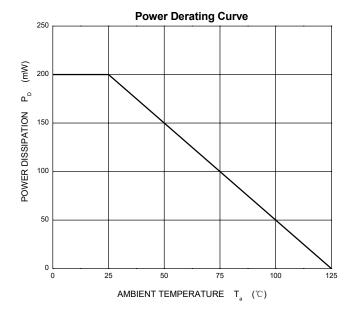
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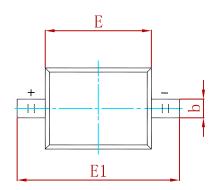


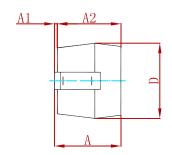


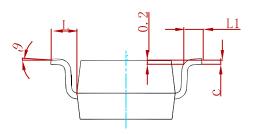
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PACKAGE MECHANICAL DATA

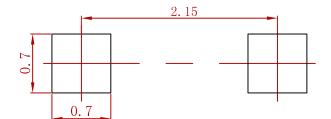






Cumbal	Dimensions	In Millimeters	Dimensions In Inches		
Symbol	Min.	Max.	Min.	Max.	
Α		1.000		0.039	
A 1	0.000	0.100	0.000	0.004	
A2	0.800	0.900	0.031	0.035	
b	0.250	0.350	0.010	0.014	
С	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.550	2.750	0.100	0.108	
L	0.475 REF.		0.019 REF.		
L1	0.250	0.400	0.010	0.016	
θ	0°	8°	0°	8°	

Suggested Pad Layout



Note:

- 1.Controlling dimension:in millimeters.
- 2.General tolerance:± 0.05mm.
- 3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
SD103AWS-SD103CWS	SOD-323	3000



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