

FEATURES

- Peak Forward Current: I_{FM}=350 mA
- Power Dissipation of 200mw

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SD103AWS	SOD-323	S4	3000
SD103BWS	SOD-323	S5	3000
SD103CWS	SOD-323	S6	3000



MAXIMUM RATINGS (Ta=25 unless otherwise noted)

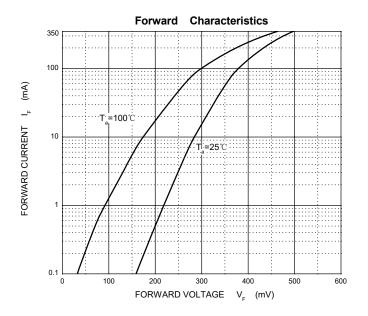
Parameter	Symbol	SD103AWS	SD103BWS	SD103CWS	Unit
Peak Repetitive Peak Reverse Voltage	V_{RRM}				
Working Peak Reverse Voltage	V_{RWM}	40	30	20	V
DC Blocking Voltage	V_R				
RMS Reverse Voltage	V _{R(RMS)}	28	21	14	V
Forward Continuous Current	I _{FM}		mA		
Bcb!fepetitive Peak Forward Surge Current @t1,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

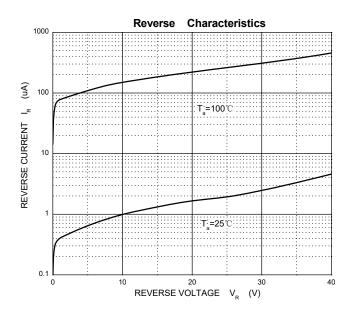
ELECTRICAL CHARACTERISTICS (T_a=25 unless otherwise specified)

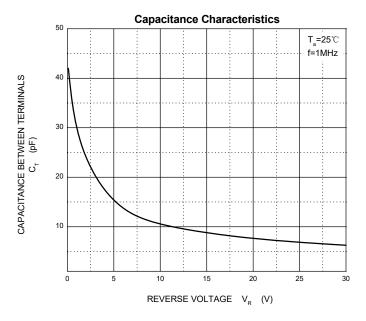
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Reverse breakdown voltage						
SD103AWS	.,	40			V	I _R =100μA
SD103BWS	$V_{(BR)}$	30				I _R =100μA
SD103CWS		20				I _R =100μA
Famuurd valtage	V _F			0.37	V	I _F =20mA
Forward voltage				0.60		I _F =200mA
Reverse current						
SD103AWS				5.0		V _R =30V
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
	t _{rr}		40			$I_F = I_R = 200 \text{mA}$
Reverse recovery time			10		ns	Irr=0.1 XI_R , R_L =100 Ω

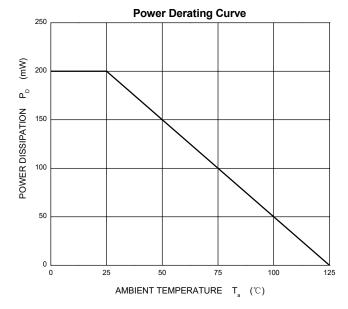


Typical Characteristics



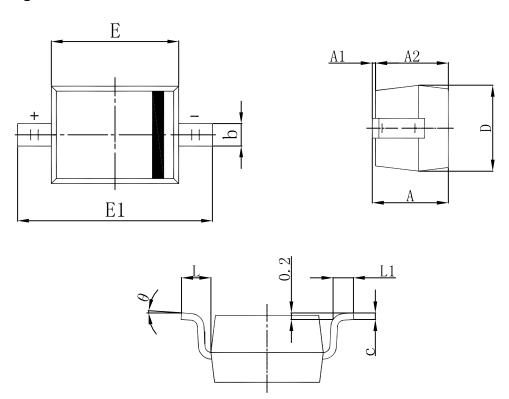








SOD-323 Package Outline Dimensions



Symbol	Dimensions	In Millimeters	Dimensions In Inches		
	Min	Max	Min	Max	
Α		1.100		0.043	
A1	0.000	0.100	0.000	0.004	
A2	0.800	1.000	0.031	0.039	
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	2.500	2.750	0.098	0.108	
L	0.475 REF		0.019 REF		
L1	0.250	0.400	0.010	0.016	
θ	0°	8°	0°	8°	

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