

Features

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



MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

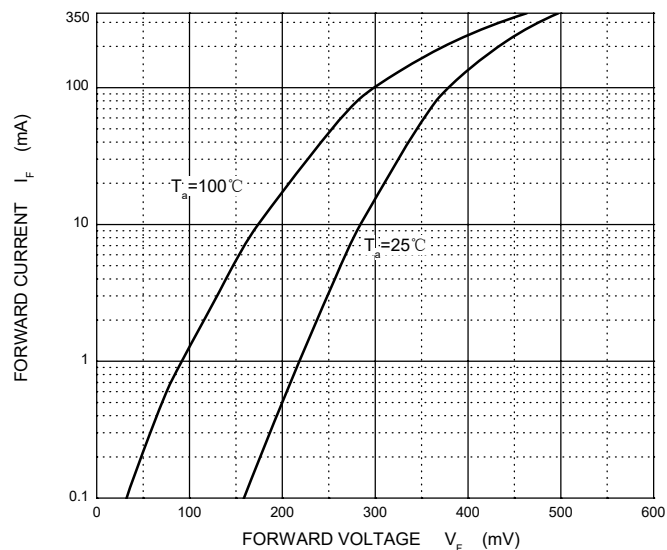
Parameter	Symbol	SD103AWS-L	SD103BWS-L	SD103CWS-L	Unit
Peak Repetitive Peak Reverse Voltage	V_{RRM}				
Working Peak Reverse Voltage	V_{RWM}	40	30	20	V
DC Blocking Voltage	V_R				
RMS Reverse Voltage	$V_{R(RMS)}$	28	21	14	V
Forward Continuous Current	I_{FM}	350			mA
Non-repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	2.0			A
Power Dissipation	P_d	200			mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500			°C/W
Junction Temperature	T_J	-40~+125			°C
Storage Temperature	T_{STG}	-55~+150			°C

Electrical Characteristics (TA=25°C unless otherwise specified)

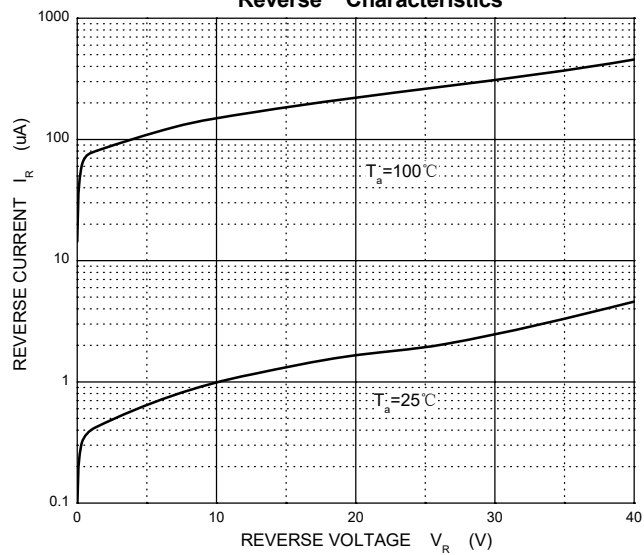
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage SD103AWS-L SD103BWS-L SD103CWS-L	$V_{(BR)}$	40 30 20			V	$I_R=100\mu A$ $I_R=100\mu A$ $I_R=100\mu A$
Forward voltage	V_F			0.37 0.60	V	$I_F=20mA$ $I_F=200mA$
Reverse current SD103AWS-L SD103BWS-L SD103CWS-L	I_{RM}			5.0	μA	$V_R=30V$ $V_R=20V$ $V_R=10V$
Capacitance between terminals	C_T			50	pF	$V_R=0V, f=1.0MHz$
Reverse recovery time	t_{rr}		10		ns	$I_F=I_R=200mA$ $I_{rr}=0.1I_R, R_L=100\Omega$

Typical Performance Characteristics ($T_A=25^\circ\text{C}$ unless otherwise Specified)

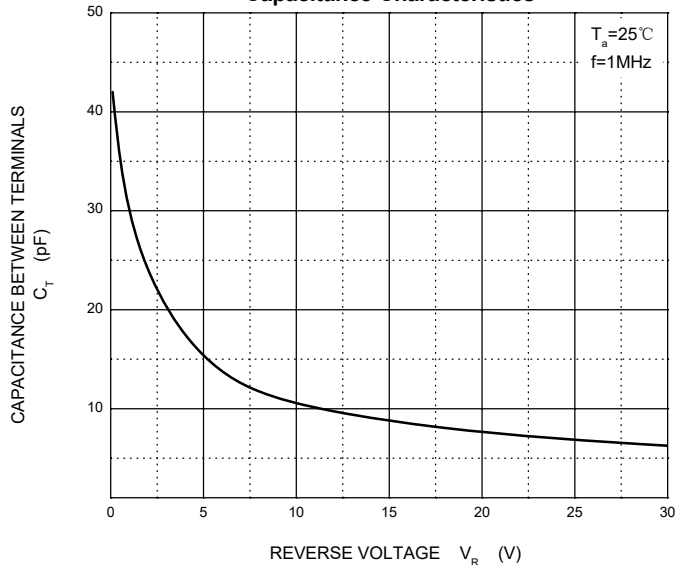
Forward Characteristics



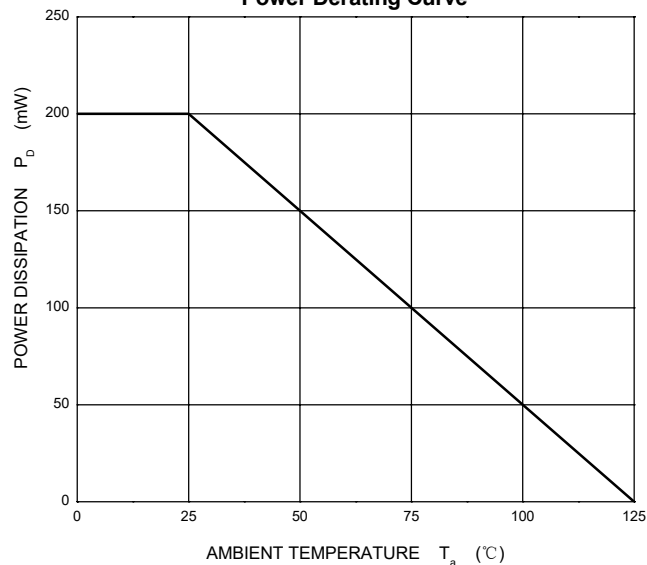
Reverse Characteristics



Capacitance Characteristics



Power Derating Curve



Outline Drawing – SOD323

