

SOD-323 Switching Diode 开关二极管

■ Features 特点

Fast Switching Speed 快的开关速度
Surface mount device 表面贴装器件
High Conductance 高电导率
Case 封装:SOD-323
Marking 印字: A



■ Maximum Rating 最大额定值

($T_A=25^{\circ}\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

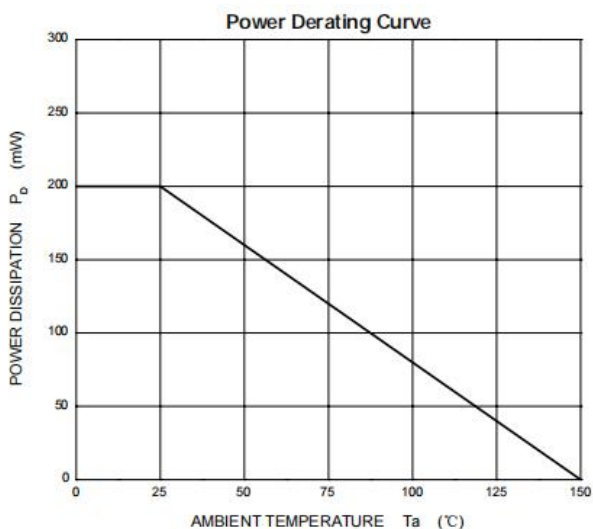
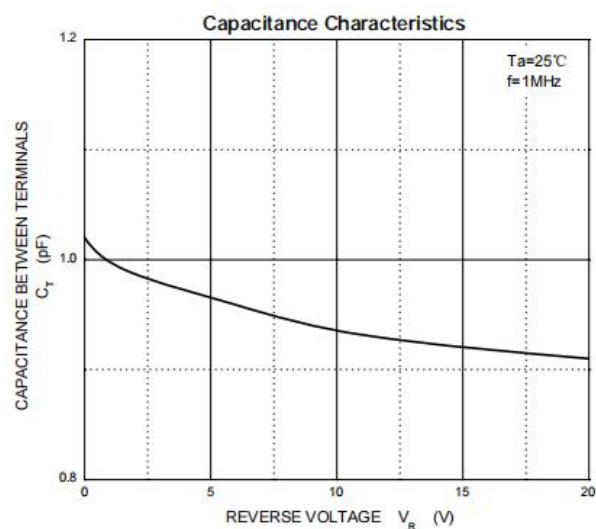
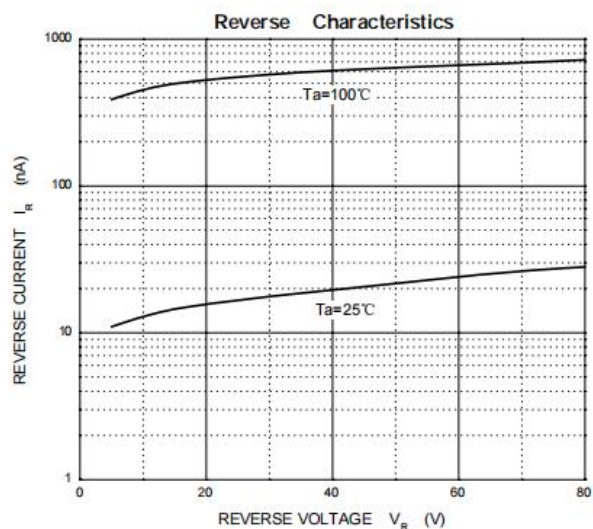
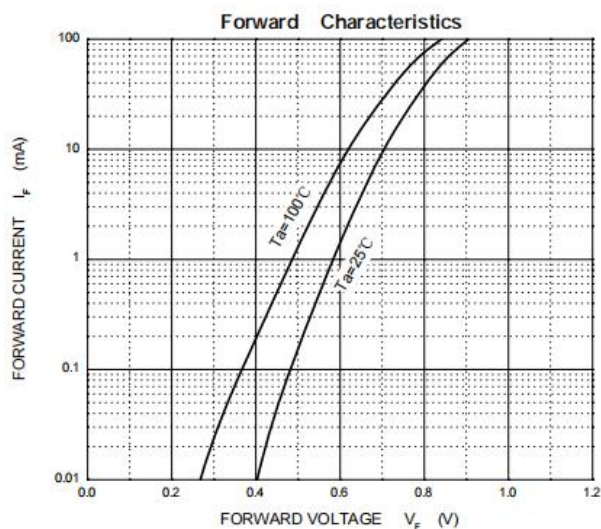
Characteristic 特性参数	Symbol 符号	Rating 额定值	Unit 单位
Non-Repetitive Peak Reverse Voltage 不重复反向峰值电压	V_{RM}	90	V
DC Reverse Voltage 直流反向电压	V_R	80	V
Forward Rectified Output Current 正向工作电流	I_O	100	mA
Non-Repetitive Peak Surge Current 不重复峰值浪涌电流	I_{FSM}	225	mA
Power Dissipation 耗散功率	P_D	200	mW
Thermal Resistance Junction-Ambient 结到环境热阻	$R_{\theta JA}$	625	$^{\circ}\text{C}/\text{W}$
Junction/Storage Temperature 结温/储藏温度	T_J, T_{stg}	-50to+150 $^{\circ}\text{C}$	$^{\circ}\text{C}$

■ Electrical Characteristics 电特性

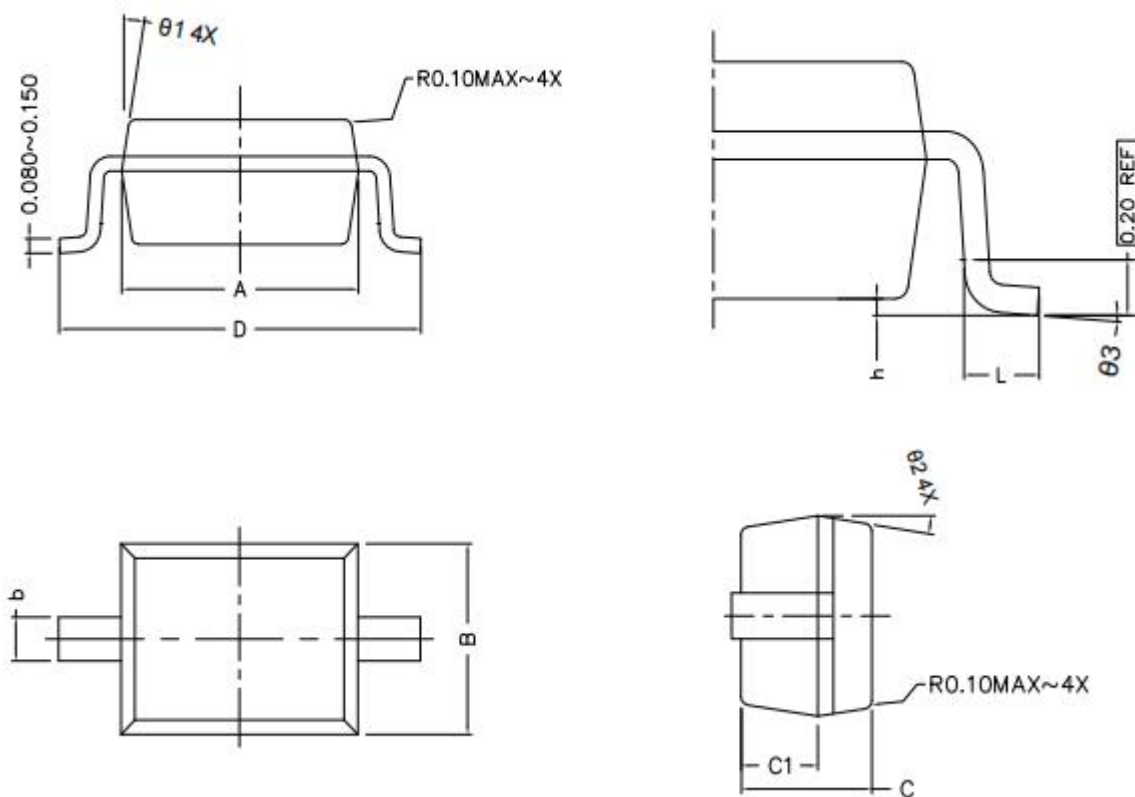
($T_A=25^{\circ}\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

Characteristic 特性参数	Symbol 符号	Min 最小值	Max 最大值	Unit 单位	Condition 条件
Reverse Voltage 反向电压	V_R	80		V	$I_R=1\mu\text{A}$
Forward Voltage 正向电压	V_F		1.2	V	$I_F=100\text{mA}$
Reverse Current 反向电流	I_R		0.1	μA	$V_R=80\text{V}$
Recovery Time 反向恢复时间	T_{rr}		4	nS	$V_R=6\text{V}$
Junction Capacitance 结电容	C_J		3	pF	$V_R=0.5\text{V}$

■ Typical Characteristic Curve 典型特性曲线



■ **Dimension** 外形封装尺寸



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	1.600	1.800	0.063	0.071
B	1.200	1.400	0.047	0.055
C	0.750	0.950	0.030	0.037
C1	0.450	0.550	0.018	0.022
D	2.450	2.800	0.096	0.110
L	0.200	0.400	0.008	0.016
b	0.200	0.400	0.008	0.016
h	0.020	0.120	0.001	0.005
θ 3	0°	8°	0°	8°