



型号: SD103AX

肖特二极管 SCHOTTKY DIODE

## 主要特性/Features

低正向压降 Low Forward Voltage Drop

暂态保护的保护环结构 Guard Ring Construction for Transient Protection

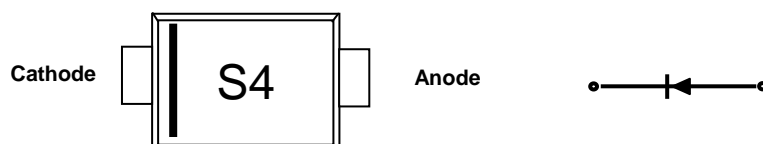
低反向恢复时间 Low Reverse Recover Time

低反向电容 Low Reverse Capacitance

## 应用/APPLICATION

消费电子产品 / Consumer electronics

## 印字/MARKING 等效电路/Equivalent Circuit





**极限参数/Absolute Maximum Ratings(TA=25°C unless otherwise noted)**

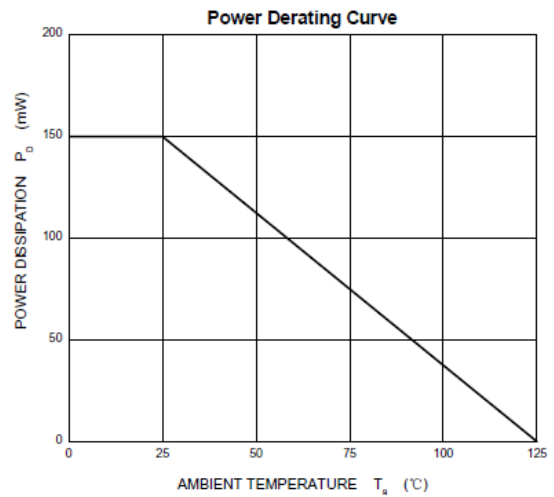
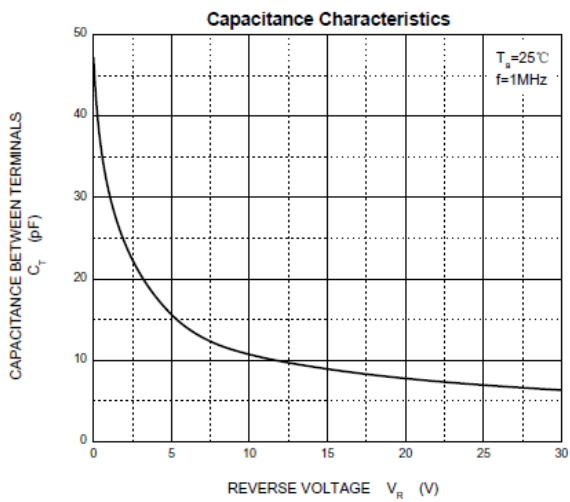
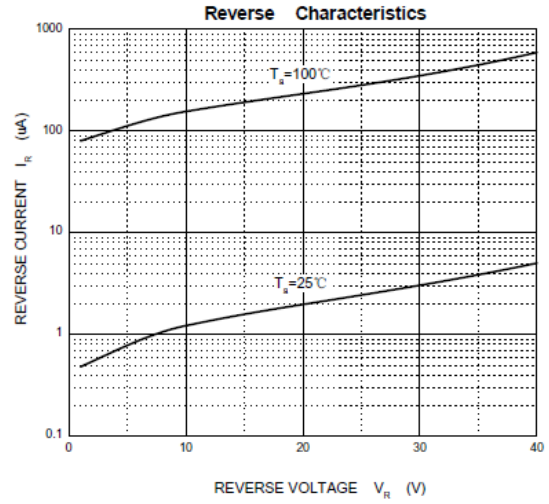
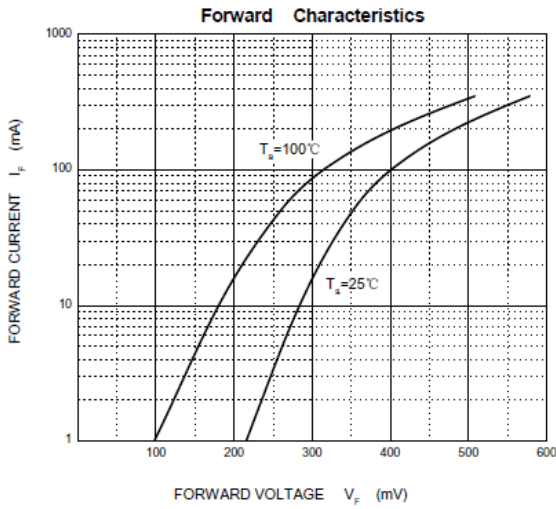
Parameter	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	$V_{RRM}$	40	V
Working Peak Reverse Voltage	$V_{RWM}$		
DC Blocking Voltage	$V_R$		
RMS Reverse Voltage	$V_{R(RMS)}$	28	V
Forward Continuous current	$I_o$	350	mA
Repetitive Peak Forward Current @ $t \leq 1S$	$I_{FRM}$	1	A
Non- Repetitive Peak Forward Surge Current @ $t \leq 8.3mS$ Half Sine Wave	$I_{FSM}$	15	A

**电性能参数/Electrical Characteristics (TA=25°C unless otherwise noted )**

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_{(BR)}$	$I_R = 100 \mu A$	40			V
Reverse current	$I_R$	$V_R = 30V$			5	uA
		$V_R = 20V$			2	
		$V_R = 30V$			5	
Forward Voltage	$V_F$	$I_F = 1mA$		0.27		V
		$I_F = 5mA$		0.32		
		$I_F = 20mA$			0.37	
		$I_F = 200mA$			0.6	
Diode Capacitance	$C_D$	$V_R = 4V, f = 1.0MHz$		50		pF
Recover Reverse Time	$t_{rr}$	$I_F = I_R = 200mA, I_{rr} = 0.1 \times I_R, R_L = 100\Omega$		10		nS

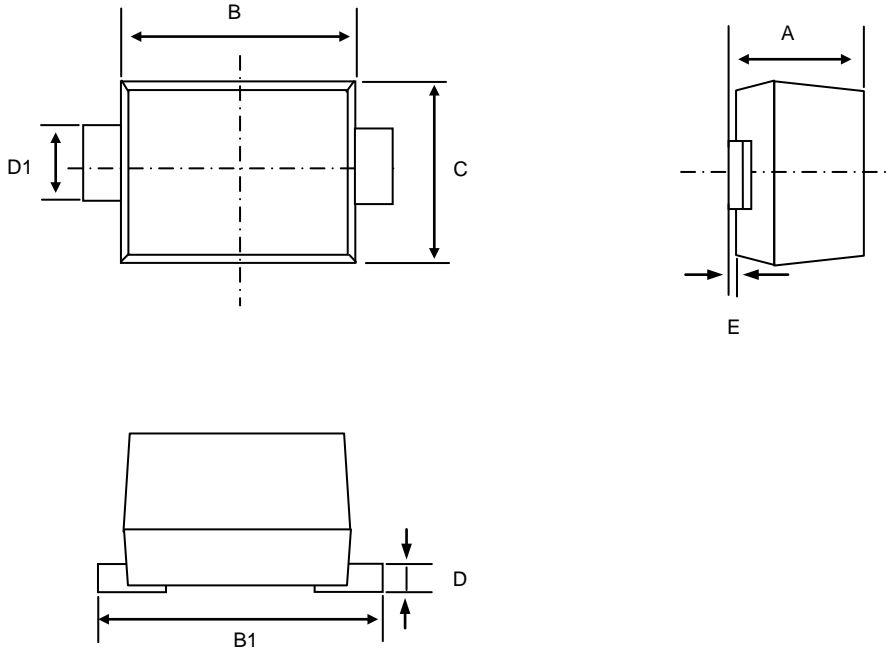


### 典型特性曲线图/Typical Characteristics





成品外观尺寸/SOD-523 Package Information



Symbol	Dim in mm		
	Min	Nor	Max
A	0.600	0.650	0.700
B	1.150	1.200	1.250
B1	1.550	1.600	1.650
C	0.750	0.800	0.850
D	0.100	0.110	0.120
D1	0.280	0.300	0.320
E	0.000	-	0.020