



型号: 1SS400

高速开关二极管 High Speed Switching Diode

## 主要特性/Features

速度快 Speed is fast.

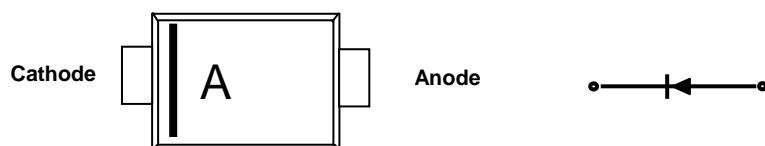
可靠性高, 反向峰值电流能力强 High reliability, strong ability of reverse peak current

尺寸非常小, 适合各种有尺寸要求场合 Very small size, suitable for various occasions with size requirements

## 应用/APPLICATION

高速开关电路 High speed switch circuit

## 印字/MARKING 等效电路/Equivalent Circuit





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

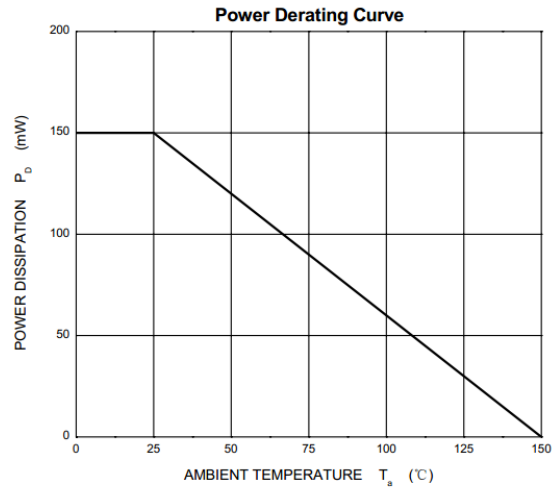
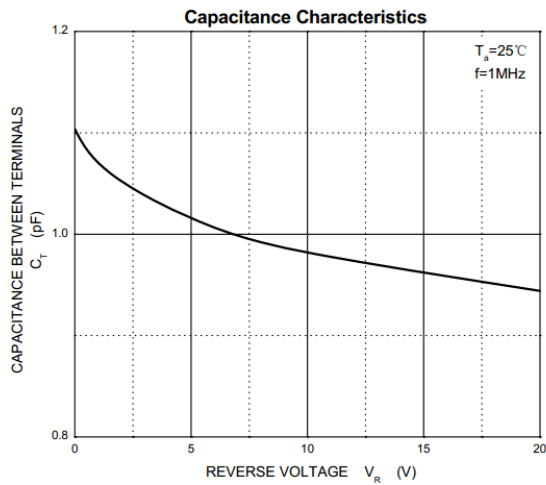
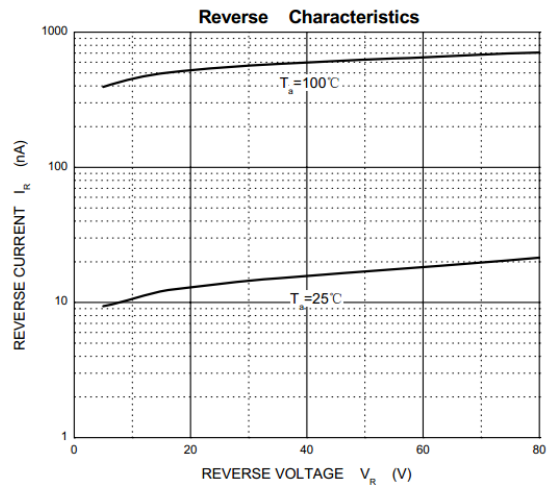
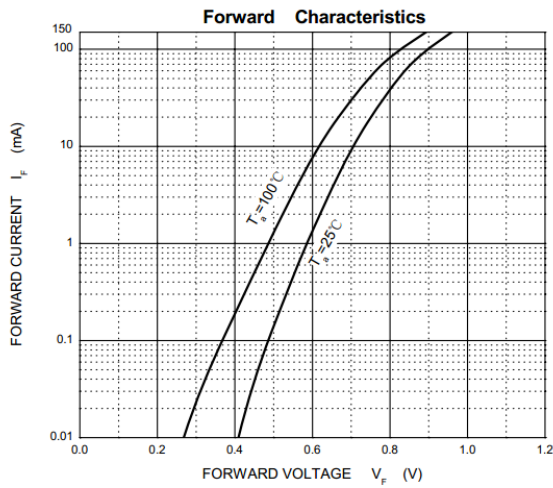
Parameter	Symbol	Value	Unit
反向峰值电压/ Peak Reverse Voltage	$V_{RM}$	90	V
直流阻断电压/DC Blocking Voltage	$V_R$	80	V
正向峰值电流/ Peak Forward Current	$I_{FRM}$	225	mA
整流输出电流/Mean Rectifying Current	$I_o$	100	mA
瞬间峰值电流/Peak Surge Current(@=1.0μS)	$I_{surge}$	500	mA
结温/Junction Temperature	$T_j$	125	°C
储存温度/Storage Temperature	$T_{stg}$	-55 ~ 150	°C

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

Parameter	Symbol	Test condition	Max	Unit
正向电压/Forward Voltage	$V_F$	$I_F=100mA$	1.2	V
反向漏电流/Reverse Current	$I_R$	$V_R=80V$	0.1	μ A
端电容/Capacitance Between Terminals	$C_T$	$V_R=0.5V, f=1MHz$	3	pF
反向恢复时间/Reverse Recovery Time	$t_{rr}$	$I_F=10mA, V_R=6V, R_L=100\Omega$	4	nS

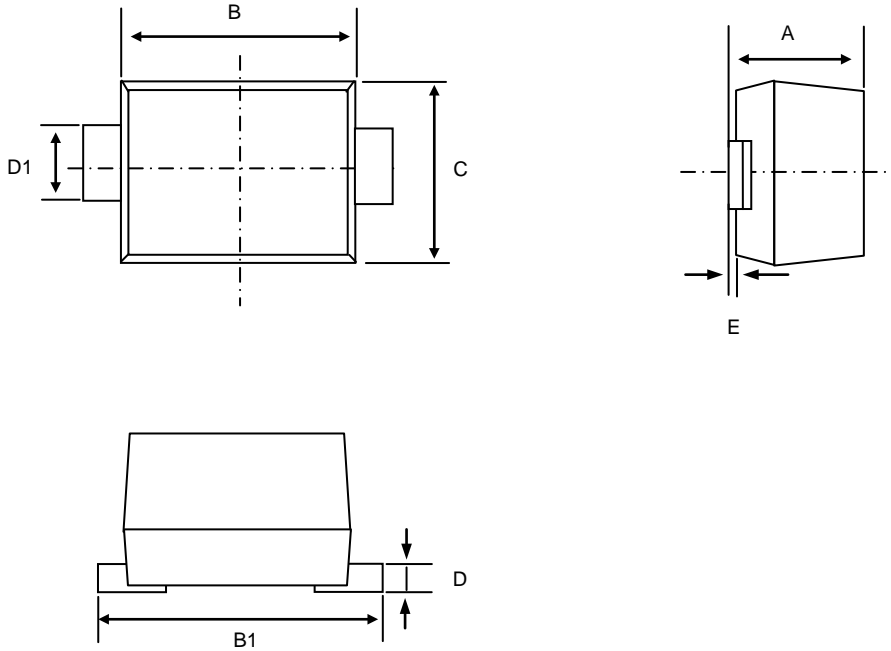


### 典型特性曲线图/Typical Characteristics





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