



SLS SEMICONDUCTOR (SHENZHEN) CO.,LTD.

**SOD-523 封装二极管/SOD-523 Plastic-Encapsulate Diodes**

## RB520S- 30 (SCHOTTKY DIODE)

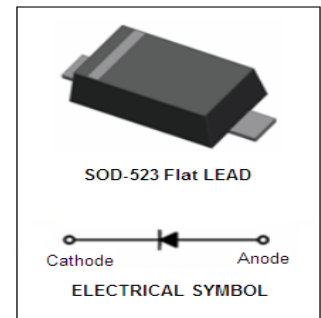
### 特点/Features :

- 表面安装，尺寸小；
- 反向漏电流低 ( $I_R=0.1\mu A$ )；
- 可靠性高；

### 用途/Applications :

高速开关电路。

### 印章/ Marking: B



### 极限参数/Absolute maximum ratings( $T_a=25^\circ C$ )

Parameter	Symbol	Value	Unit
DC Reverse Voltage	$V_R$	30	V
Mean Rectifying Current	$I_0$	200	mA
Peak Forward Surge Current	$I_{FSM}$	1	A
Junction Temperature	$T_j$	125	$^\circ C$
Storage Temperature	$T_{stg}$	-40~125	$^\circ C$

### 电性能参数/Electrical characteristics ( $T_a=25^\circ C$ )

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F=200mA$			0.60	V
Reverse Current	$I_{RM}$	$V_R=10V$			1.0	$\mu A$



### 典型特性曲线图/Typical Characteristics

● Electrical characteristic curves ( $T_a=25^\circ\text{C}$ )

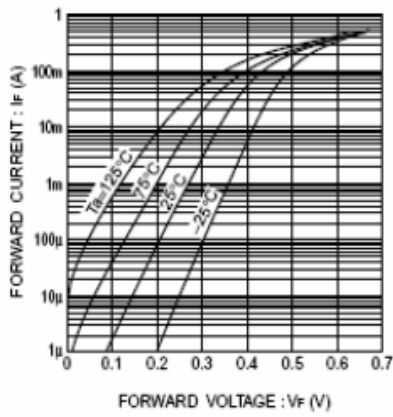


Fig. 1 Forward characteristics

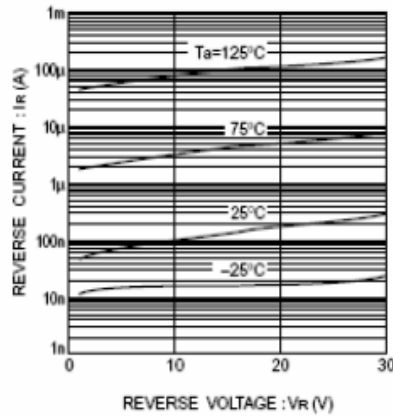


Fig. 2 Reverse characteristics

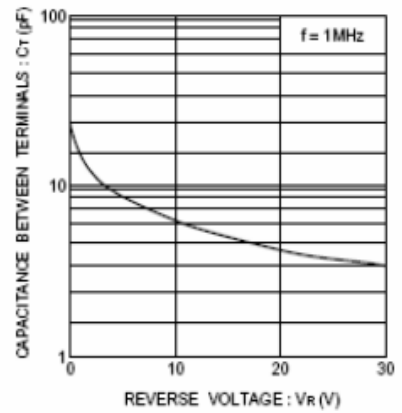


Fig. 3 Capacitance between terminals characteristics

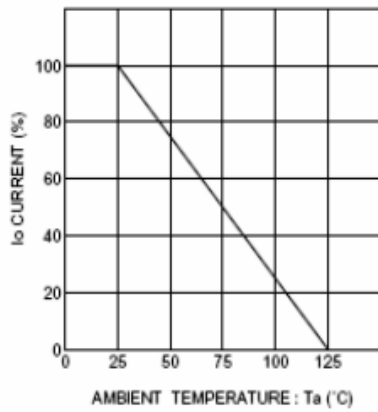


Fig 4. Derating curve  
(mounting on glass epoxy PCBs)