



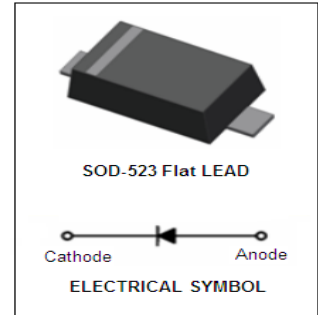
SLS SEMICONDUCTOR (SHENZHEN) CO.,LTD.

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

**1SS389 (SCHOTTKY BARRIER DIODE)**

**特点/Features :**

- High Speed ;
- High Reliability ;
- Small Package ;
- Low Forward Voltage ;



**应用/Applications :**

- High Speed Switching ;

**印章/ Marking: S4**

**极限参数/Absolute maximum ratings(Ta=25°C)**

Parameter	Symbol	Limit	Unit
DC block voltage	$V_R$	10	V
Average forward current	$I_o$	0.1	A
Peak forward current	$I_{FM}$	0.2	A
Non-repetitive peak forward surge current@10mS	$I_{FSM}$	1.0	A
Power dissipation	$P_D$	150	mW
Thermal Resistance from junction to ambient	$R_{\theta JA}$	667	°C/mW
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-55~150	°C

**电性能参数/Electrical characteristics (Ta=25°C)**

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse Voltage	$V_{(BR)}$	$I_r=100 \mu A$	10			V
Forward Voltage	$V_{F1}$	$I_F=1.0mA$		0.18		V
	$V_{F2}$	$I_F=5.0mA$			0.30	V
	$V_{F3}$	$I_F=100mA$			0.50	V
Reverse Current	$I_R$	$V_R=10V$			20	$\mu A$
Total Capacitance	$C_{tot}$	$V_R=0V, f=1.0MHz$			40	pF