



SLS SEMICONDUCTOR (SHENZHEN) CO.,LTD.

SOD-323 封装二极管/SOD-323 Plastic-Encapsulate Diodes

B5819WS (SCHOTTKY DIODE)

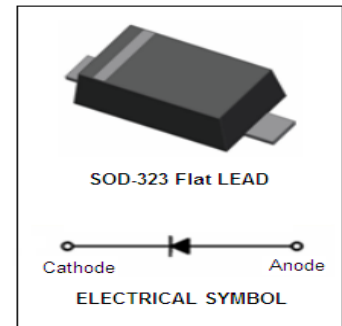
特点/Features :

- 正向导通电压低；
- 环保护结构提供瞬态保护；
- 极小的恢复时间；
- 极小的反向电容；

用途/Applications :

高速开关电路。

印章/ Marking: SL



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

Parameter	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Working Peak	V_{RWM}		
DC Blocking Voltage	V_R		
RMS Reverse Voltage	$V_{R(RMS)}$	28	V
Forward Continuous Current	I_{FM}	1	A
Repetitive Peak Forward Current (@t≤1S)	I_{FSM}	9	A
Power Dissipation	P_d	250	mW
Thermal Resistance Junction To Ambient	$R_{\theta JA}$	500	°C/mW
Storage Temperature	Tstg	-55~125	°C

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

参数/Parameter	符号	测试条件	最小值	典型值	最大值	单位
Reverse Breakdown Voltage	$V_{(BR)R}$	$I_R=100 \mu A$	40			V
Forward Voltage	V_F	$I_F=1A$			0.6	V
		$I_F=3A$			0.9	V
Reverse Current	I_{RM}	$V_R=40V$			1	mA
Capacitance Between Terminals	C_T	$V_R=0V, f=1.0MHz$			50	pF
Diode capacitance	C_D	$V_R=4V, f=1MHz$			120	pF