



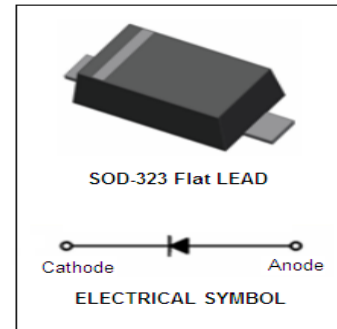
SLS SEMICONDUCTOR (SHENZHEN) CO.,LTD.

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

**RB501V-40 (SCHOTTKY BARRIER DIODE)**

**特点/Features :**

- Low current rectifier schottky diode ;
- Low voltage, Low inductance ;
- For power supply ;



**印章/ Marking: 4**

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

Parameter	Symbol	Limit	Unit
Peak Reverse Voltage	$V_{RM}$	45	V
DC Reverse Voltage	$V_R$	40	V
Mean Rectifying current	$I_o$	0.1	A
Peak Forward Surge Current	$I_{FSM}$	1	A
Junction Temperature	$T_j$	150	°C
Storage Temperature	$T_{stg}$	-55~150	°C

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

Parameter	Symbol	Conditions	Typ	Max	Unit
Forward Voltage	$V_F$	$I_F=10mA$		0.34	V
		$I_F=100mA$		0.55	V
Reverse Current	$I_R$	$V_R=10V$		30	$\mu A$
Capacitance Between Terminals	$C_T$	$V_R=10V, f=1.0MHz$	6		pF