



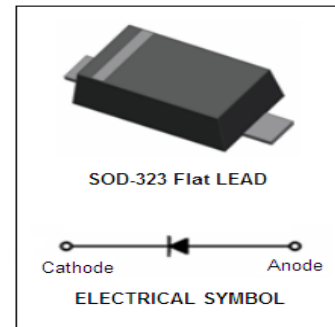
SLS SEMICONDUCTOR (SHENZHEN) CO.,LTD.

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

RB500V-40 (SCHOTTKY BARRIER DIODE)

特点/Features :

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



印章/ Marking: 2

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 | $I_F=10mA$ | | 0.45 | V |
| Reverse Current | I_R | $V_R=10V$ | | 1 | μA |
| Capacitance Between Terminals | C_T | $V_R=10V, f=1.0MHz$ | 6 | | pF |