



SLS SEMICONDUCTOR (SHENZHEN) CO.,LTD.

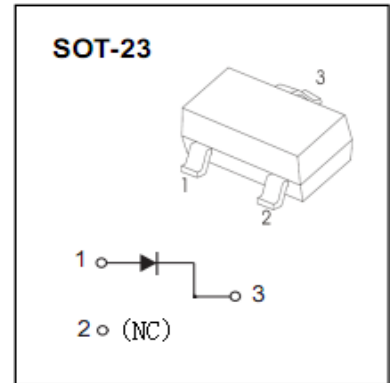
SOT-23 封装半导体二极管/SOT-23 Plastic-Encapsulate Diodes

## RB491D (SCHOTTKY BARRIER DIODE)

印章/Marking:D2E

特点/Features :

- 速度快，导通电压低；
- 反向漏电流小，可靠性高；



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

参数/Parameter	符号/ Symbol	数值/Value	单位/Unit
反向峰值电压/Peak Reverse Voltage	$V_{RM}$	25	V
直流阻断电压/DC Blocking Voltage	$V_R$	20	V
平均整流输出电流/Mean Rectifying Current	$I_F$	1000	mA
正向瞬时峰值电流/Peak forward surge Current	$I_{FSM}$	3	A
结温/Junction Temperature	$T_j$	125	°C
储存温度/ Storage Temperature	$T_{stg}$	-45~125	°C

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

参数/Parameter	符号	测试条件	最小值	最大值	单位
正向电压/Forward Voltage	$V_F$	$I_F=1A$		0.45	V
反向漏电流/Reverse Current	$I_R$	$V_R=20V$		200	μA



### 典型特性曲线图/Typical Characteristics

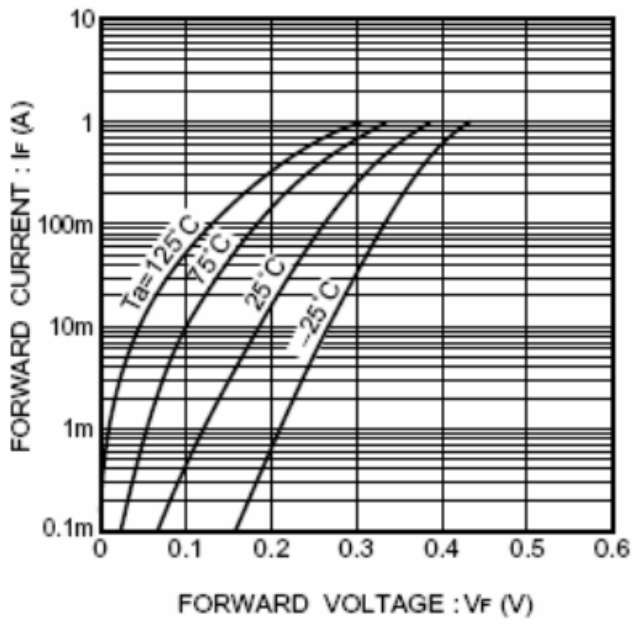


Fig.1 Forward characteristics

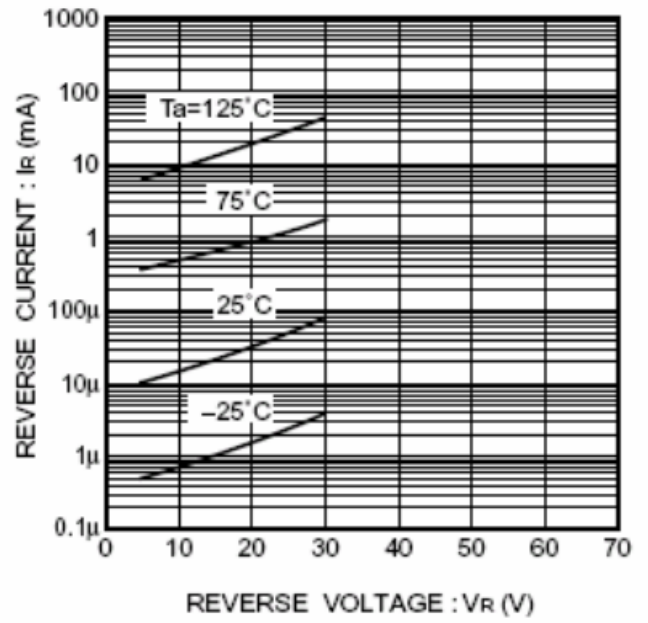


Fig.2 Reverse characteristics