



型号: RB520S-30

肖特基二极管 SCHOTTKY DIODE

### 主要特性/Features

表面安装, 尺寸小 Surface mounting, small size

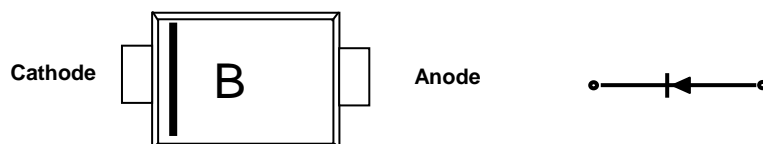
反向漏电流低 ( $I_R=0.1\mu A$ ) Low reverse leakage current ( $I_R = 0.1 \mu a$ )

可靠性高 High reliability

### 应用/Application

高速开关电路 High speed switch circuit

### 印字/MARKING 等效电路/Equivalent Circuit





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

Parameter	Symbol	Value	Unit
DC Reverse Voltage	$V_R$	30	V
Mean Rectifying Current	$I_o$	200	mA
Peak Forward Surge Current	$I_{FSM}$	1	A
Junction Temperature	$T_j$	125	°C
Storage Temperature	$T_{stg}$	-40 ~ 125	°C

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

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F=200mA$			0.60	V
Reverse Current	$I_{RM}$	$V_R=10V$			1.0	$\mu A$



典型特性曲线图/Typical Characteristics

● Electrical characteristic curves (Ta=25°C)

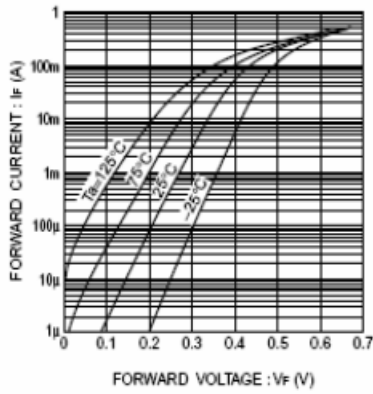


Fig. 1 Forward characteristics

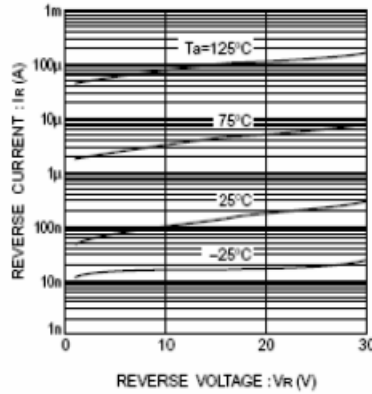


Fig. 2 Reverse characteristics

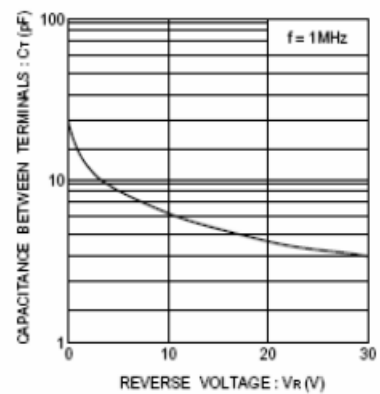


Fig. 3 Capacitance between terminals characteristics

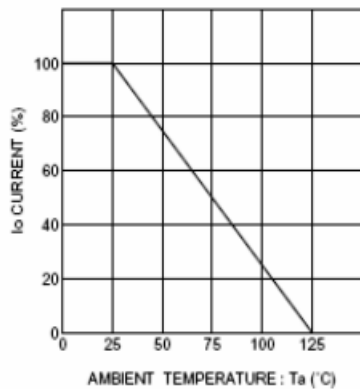
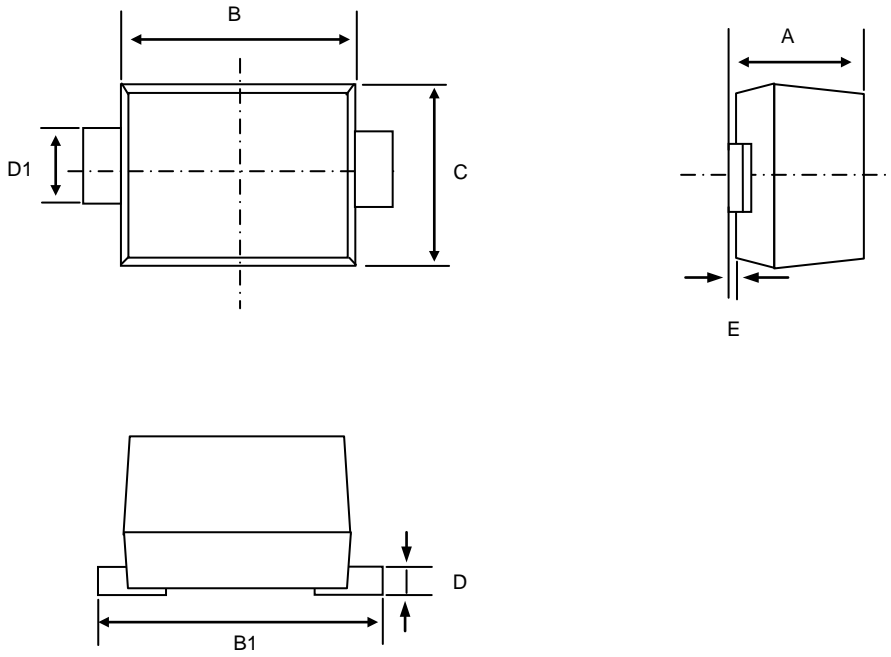


Fig 4. Derating curve  
(mounting on glass epoxy PCBs)



成品外观尺寸/SOD-523 Package Information



Symbol	Dim in mm		
	Min	Nor	Max
A	0.600	0.650	0.700
B	1.150	1.200	1.250
B1	1.550	1.600	1.650
C	0.750	0.800	0.850
D	0.100	0.110	0.120
D1	0.280	0.300	0.320
E	0.000	-	0.020