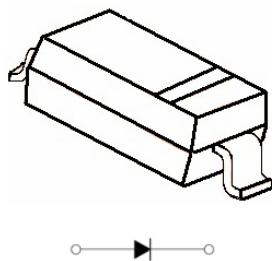


SOD-323

Marking: D

**SOD-323 Plastic-Encapsulate Schottky Barrier Diode****特征 Features**

- 大电流承受能力。High Current Capability
- 正向压降低。Low Forward Voltage Drop

**机械数据 Mechanical Data**

- 封装: SOD-323 封装 SOD-323 Small Outline Plastic Package
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性(TA = 25°C 除非另有规定)

**Maximum Ratings & Thermal Characteristics** (Ratings at 25°C ambient temperature unless otherwise specified.)

参数 Parameters	符号 Symbol	RB551V-30	单位 Unit
峰值反向电压 Peak reverse voltage	V <sub>RM</sub>	30	V
直流反向电压 DC reverse voltage	V <sub>R</sub>	21	V
整理电流 Mean rectifying current	I <sub>o</sub>	0.5	A
峰值正向浪涌电流 Peak forward surge current 8.3 ms single half sine-wave	I <sub>FSM</sub>	2.0	A
典型热阻 Typical thermal resistance	R <sub>θJA</sub>	400	°C/W
功率消耗 Power Dissipation	P <sub>D</sub>	250	mW
存储温度 Storage temperature range	T <sub>STG</sub>	-50-+150	°C

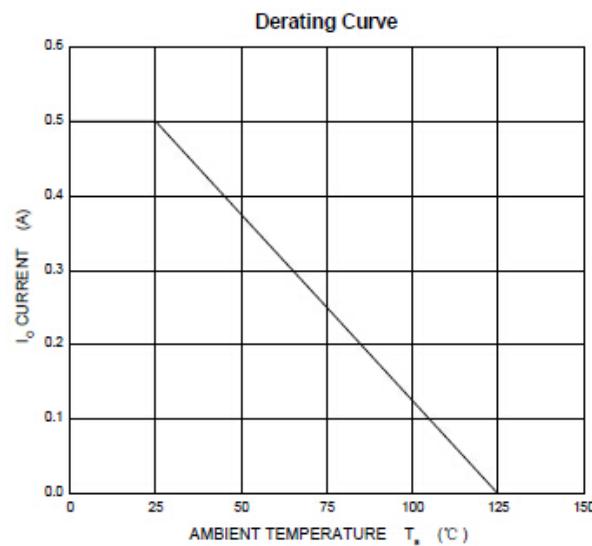
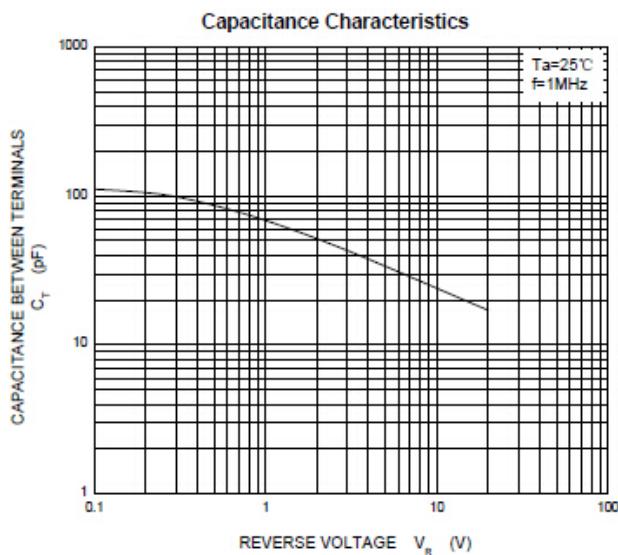
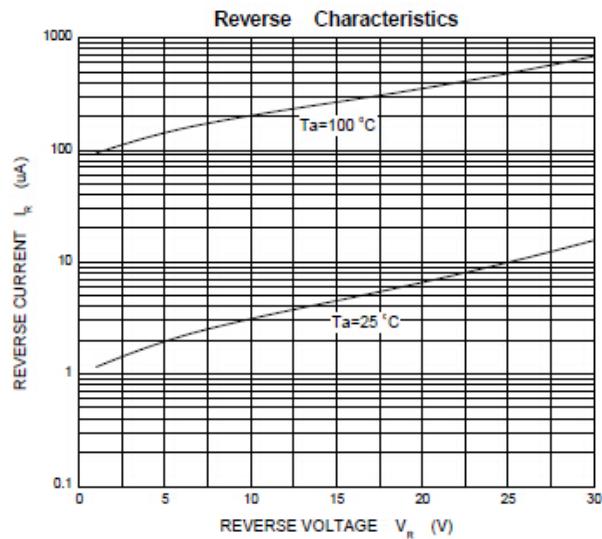
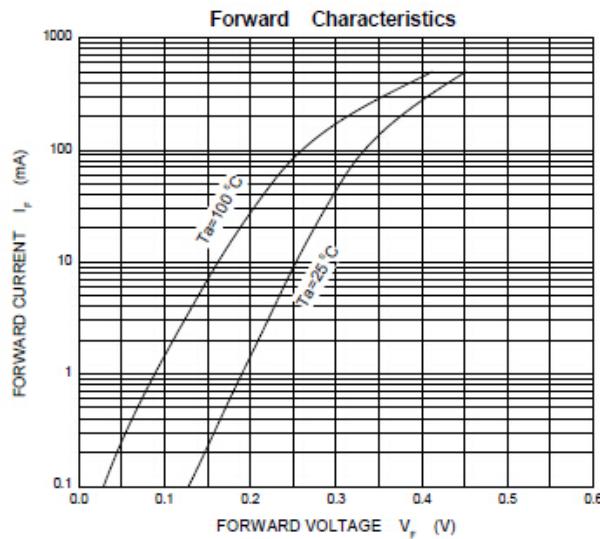
电特性 (TA = 25°C 除非另有规定)

**Electrical Characteristics** (Ratings at 25°C ambient temperature unless otherwise specified.)

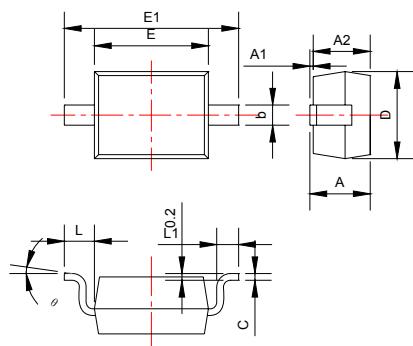
参数 Parameters	符号 Symbol	测试条件 Test conditions	RB551V-30	单位 Unit
最大正向电压 Maximum forward voltage	V <sub>F</sub>	I <sub>F</sub> = 0.1A I <sub>F</sub> = 0.5A	0.360 0.540	V
最大反向电压 Maximum reverse breakdown voltage	V <sub>R</sub>	I <sub>R</sub> =1mA	30	V
最大反向电流 Maximum reverse current	I <sub>R</sub>	V <sub>R</sub> =20V	100	uA

# RB551V-30

## 特性曲线Characteristic Curves



## SOD-323 PACKAGE OUTLINE Plastic surface mounted package



SYMBOL	DIMENSIONS	
	MIN.	MAX.
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.350
c	0.080	0.150
D	1.200	1.400
E	1.600	1.800
E1	2.500	2.700
L	0.475REF	
L1	0.250	0.400
θ	0°	8°