

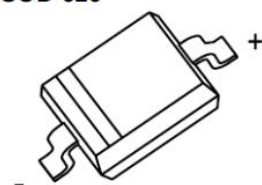
SOD-323 Schottky Barrier Rectifier Diode 肖特基势垒整流二极管**■Features 特点**

Low forward voltage drop 低正向压降

High current capability 高电流能力

Surface mount device 表面贴装器件

Case 封装:SOD-323

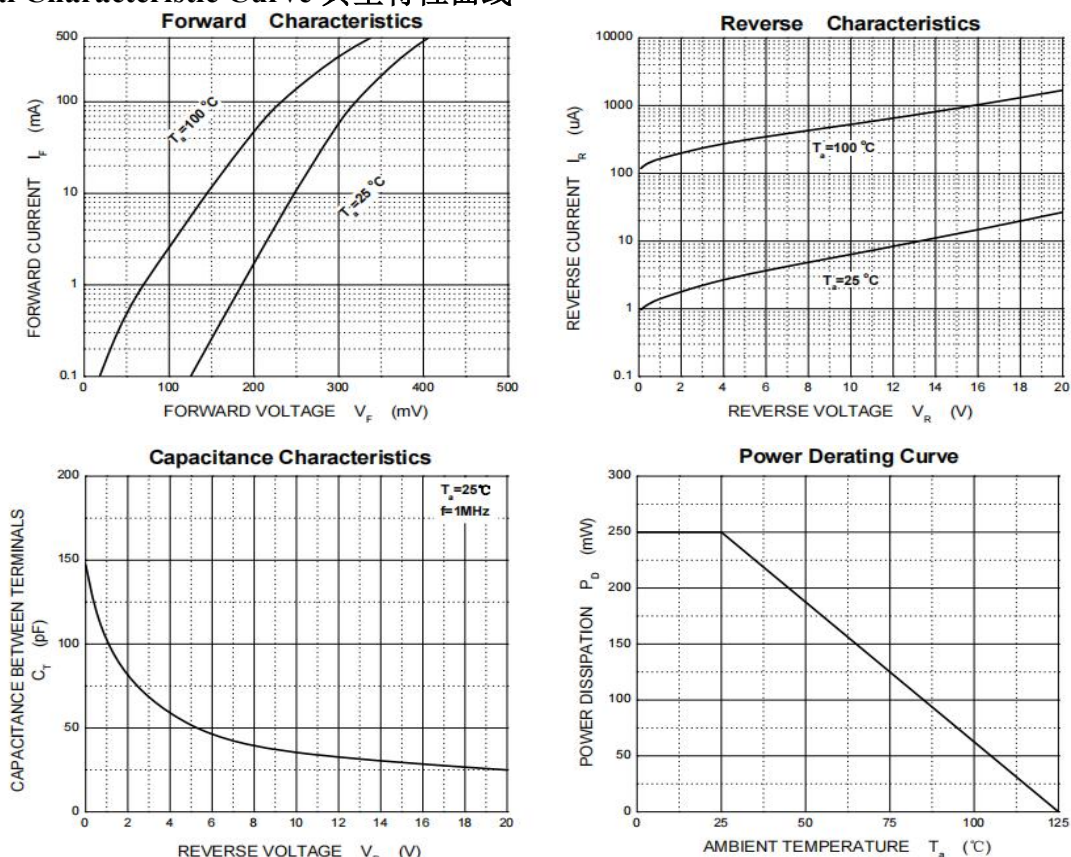
SOD-323**■Maximum Rating 最大额定值**(T_A=25°C unless otherwise noted 如无特殊说明, 温度为 25°C)

Characteristic 特性参数	Symbol 符号	MBRX0520	MBRX0530	MBRX0540	MBRX0560	Unit 单位
Device Marking 产品印字		2.	3.	4.	6.	
Peak Reverse Voltage 反向峰值电压	V _{RRM}	20	30	40	60	V
DC Reverse Voltage 直流反向电压	V _R	20	30	40	60	V
RMS Reverse Voltage 反向电压均方根值	V _{R(RMS)}	14	21	28	42	V
Forwards Rectified Current 正向整流电流	I _F	0.5				A
Peak Surge Current 峰值浪涌电流	I _{FSM}	5				A
Power Dissipation 耗散功率	P _D	250				mW
Thermal Resistance J-A 结到环境热阻	R _{θJA}	400				°C/W
Junction/Storage Temperature 结温/储藏温度	T _J , T _{stg}	-50to+125°C				°C

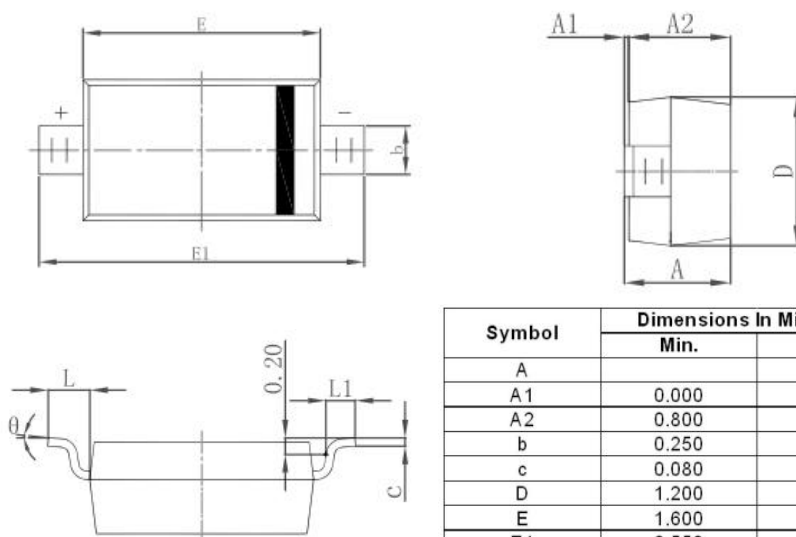
■Electrical Characteristics 电特性(T_A=25°C unless otherwise noted 如无特殊说明, 温度为 25°C)

Characteristic 特性参数	Symbol 符号	MBRX0520	MBRX0530	MBRX0540	MBRX0560	Unit 单位	Condition 条件
Reverse Voltage 反向电压	V _R	20	30	40	60	V	I _R =1mA
Forwards Voltage 正向电压	V _F	0.45	0.55	0.55	0.7	V	I _F =0.5A
Reverse Current 反向电流	I _R	0.08				mA	V _R =V _{RRM}
Diode Capacitance 二极管电容	C _T	30				pF	V _R =4V, f=1MHz

■ Typical Characteristic Curve 典型特性曲线



■ Dimension 外形封装尺寸 SOD-323



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A		1.000		0.039
A1	0.000	0.100	0.000	0.004
A2	0.800	0.900	0.031	0.035
b	0.250	0.350	0.010	0.014
c	0.080	0.150	0.003	0.006
D	1.200	1.400	0.047	0.055
E	1.600	1.800	0.063	0.071
E1	2.550	2.750	0.100	0.108
L	0.475 REF.		0.019 REF.	
L1	0.250	0.400	0.010	0.016
θ	0°	8°	0°	8°