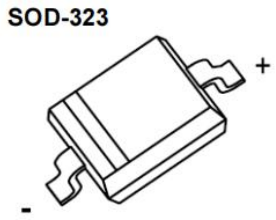
SOD-323 Schottky Barrier Rectifier Diode 肖特基势垒整流二极管



■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

■Maximum Rating 最大额定值

(T_A=25℃ unless otherWSise noted 如无特殊说明，温度为 25℃)

Characteristic 特性参数	Symbol 符号	B16WS	B110WS	Unit 单位
Device Marking 产品印字		B16	B110	
Peak Reverse Voltage 反向峰值电压	V_{RRM}	60	100	V
DC Reverse Voltage 直流反向电压	V_R	60	100	V
RMS Reverse Voltage 反向电压均方根值	$V_{R(RMS)}$	42	70	V
ForWSard Rectified Current 正向整流电流	I_F	1		A
Peak Surge Current 峰值浪涌电流	I_{FSM}	25		A
PoWSer Dissipation 耗散功率	P_D	300		mW
Thermal Resistance J-A 结到环境热阻	$R_{\theta JA}$	400		℃/W
Junction/Storage Temperature 结温/储藏温度	T_J,T_{stg}	-65to+150℃		℃

■Electrical Characteristics 电特性

(T_A=25℃ unless otherWSise noted 如无特殊说明，温度为 25℃)

Characteristic 特性参数	Symbol 符号	B16WS	B110WS	Unit 单位	Condition 条件
Reverse Voltage 反向电压	V_R	60	100	V	I_R=1mA
ForWSard Voltage 正向电压	V_F	0.7	0.85	V	I_F=1A
Reverse Current 反向电流	I_R	0.02(Ta=25℃) 5(Ta=100℃)		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

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

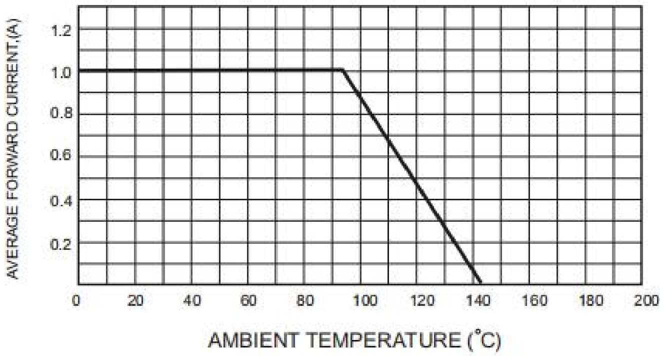


FIG.3 - **Power Derating Curve**

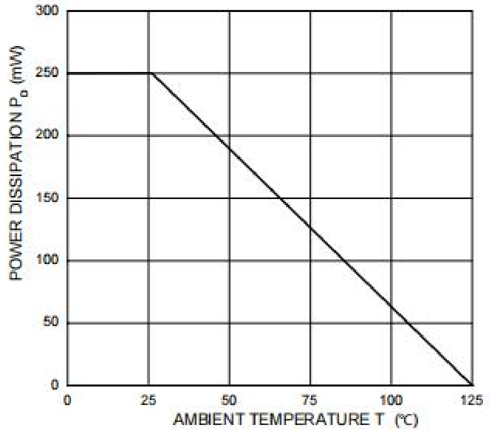


FIG.4-TYPICAL JUNCTION CAPACITANCE

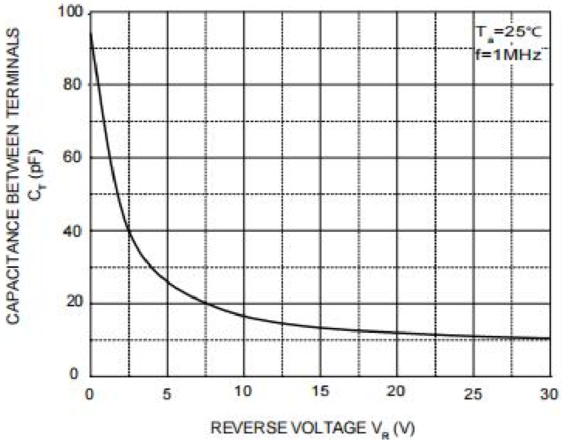


FIG.2-TYPICAL FORWARD CHARACTERISTICS

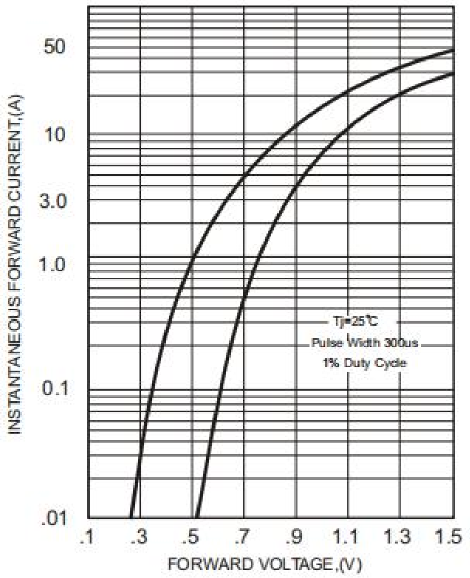
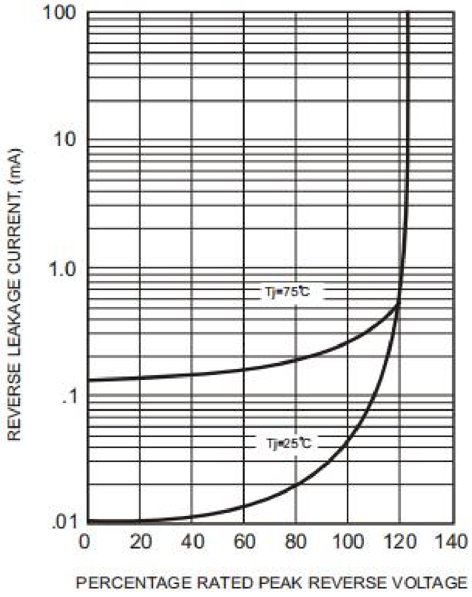
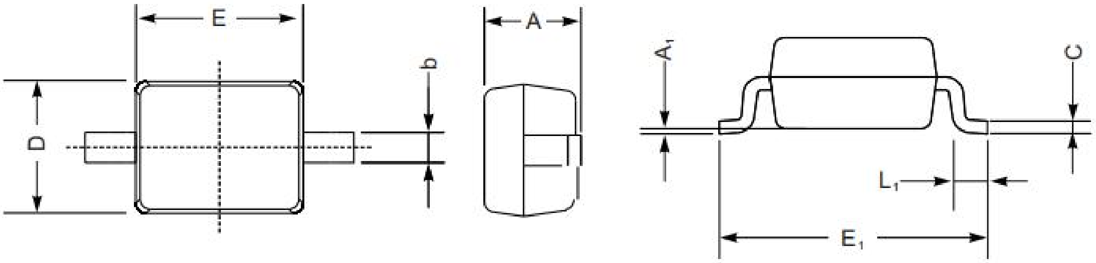


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



■ Dimension 外形封装尺寸

SOD323



UNIT		A	C	D	E	E_1	b	L_1	A_1
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—
mil	max	43	5.9	55	70	108	16	16	8
	min	32	3.1	47	63	100	9.8	7.9	—