

■Features 特点

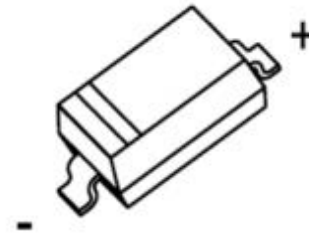
Low forward voltage drop 低正向压降

High current capability 高电流能力

Surface mount device 表面贴装器件

Case 封装:SOD-323

Marking 印字: S4


■Maximum Rating 最大额定值

($T_A=25^{\circ}\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

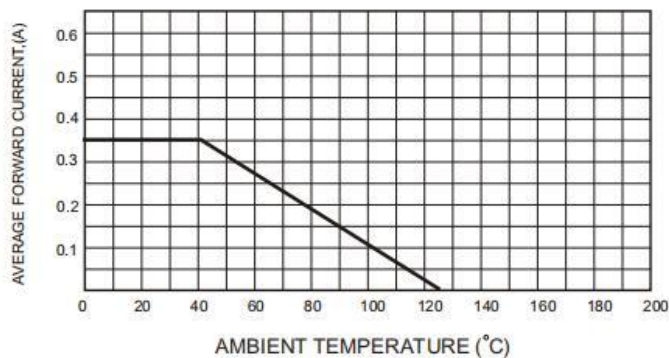
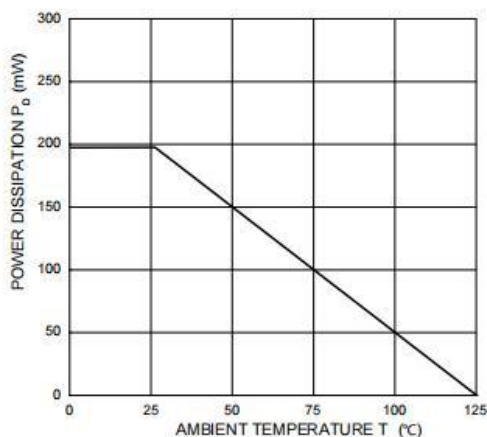
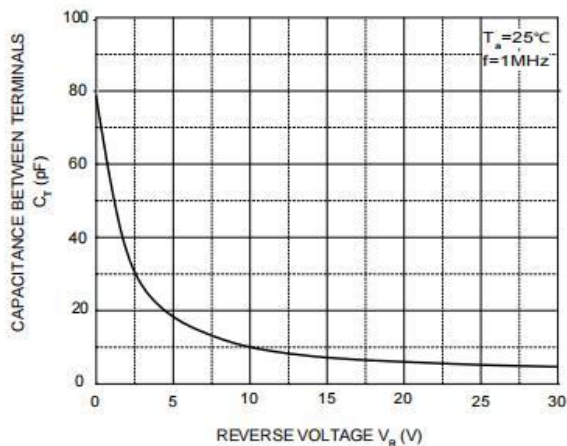
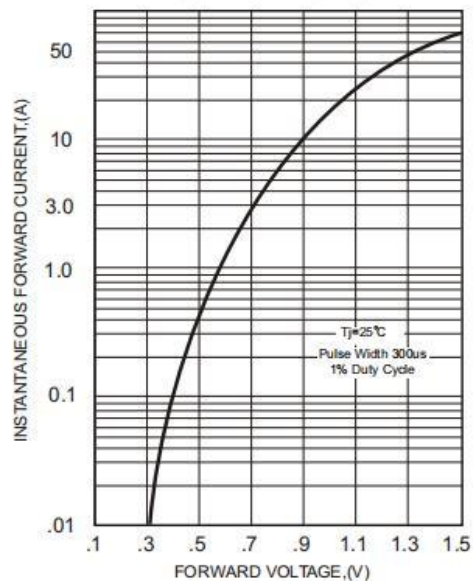
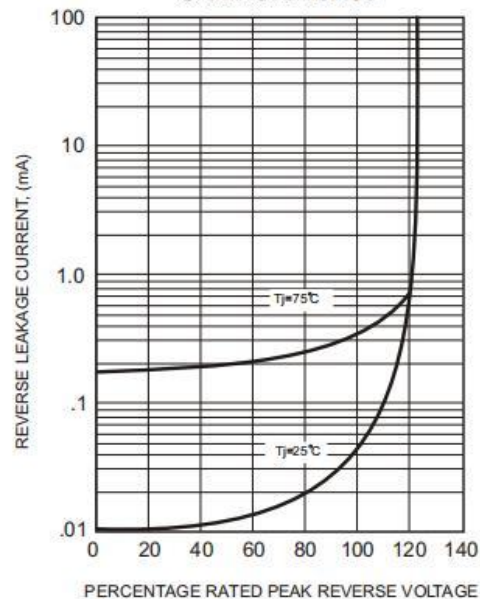
Characteristic 特性参数	Symbol 符号	Rating 额定值	Unit 单位
Peak Reverse Voltage 反向峰值电压	V_{RRM}	40	V
DC Reverse Voltage 直流反向电压	V_R	40	V
RMS Reverse Voltage 反向电压均方根值	$V_{R(RMS)}$	21	V
Forward Rectified Current 正向整流电流	I_F	0.35	A
Peak Surge Current 峰值浪涌电流	I_{FSM}	2	A
Power Dissipation 耗散功率	P_D	310	mW
Thermal Resistance J-A 结到环境热阻	$R_{\theta JA}$	400	$^{\circ}\text{C}/\text{W}$
Junction/Storage Temperature 结温/储藏温度	T_J, T_{stg}	$-50\text{to}+150^{\circ}\text{C}$	$^{\circ}\text{C}$

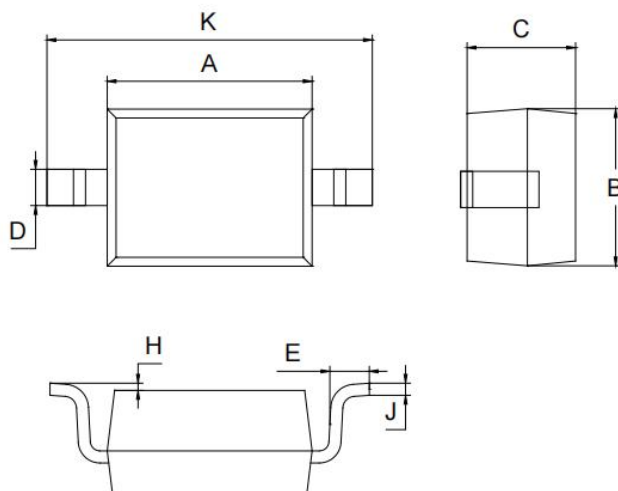
■Electrical Characteristics 电特性

($T_A=25^{\circ}\text{C}$ unless otherwise noted 如无特殊说明, 温度为 25°C)

Characteristic 特性参数	Symbol 符号	Min 最小值	Type 典型值	Max 最大值	Unit 单位	Condition 条件
Reverse Voltage 反向电压	V_R	40			V	$I_R=1\text{mA}$
Forward Voltage 正向电压	V_F			0.6	V	$I_F=0.2\text{A}$
Reverse Current 反向电流	I_R			0.05 8	mA	$V_R=40\text{V}(25^{\circ}\text{C})$ (100°C)
Diode Capacitance 二极管电容	C_T		20		pF	$V_R=4\text{V}, f=1\text{MHz}$

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


SOD-323		
Dim	Min	Max
A	1.60	1.80
B	1.20	1.40
C	0.80	0.90
D	0.25	0.35
E	0.22	0.42
H	0.02	0.10
J	0.05	0.15
K	2.55	2.75
All Dimensions in mm		

NOTICE

The information presented in this document is for reference only. Involving product optimization and productivity improvement, ChipNobo reserves the right to adjust product indicators and upgrade some technical parameters. ChipNobo is entitled to be exempted from liability for any delay or non-delivery of the information disclosure process that occurs.

本文件中提供的信息仅供参考。涉及产品优化和生产效率改善，ChipNobo 有权调整产品指标和部分技术参数的升级，所出现信息披露过程存在延后或者不能送达的情形，ChipNobo 有获免责权。

The product listed herein is designed to be used with residential and commercial equipment, and do not support sensitive items and specialized equipment in areas where sanctions do exist. ChipNobo Co., Ltd or anyone on its behalf, assumes no responsibility or liability for any damages resulting from improper use.

此处列出的产品旨在民用和商业设备上使用，不支持确有制裁地区的敏感项目和特殊设备，ChipNobo 有限公司或其代表，对因不当使用而造成的任何损害不承担任何责任。

For additional information, please visit our website <http://www.chipnobo.com>, or consult your nearest Chipnobo sales office for further assistance.

欲了解更多信息，请访问我们的网站 <http://www.chipnobo.com>，或咨询离您最近的 Chipnobo 销售办事处以获得进一步帮助。