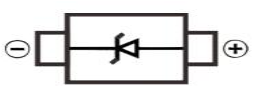
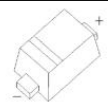



SOD-923 Schottky Barrier Diode 肖特基势垒二极管

Internal Configuration & Device Marking 内部结构与产品打标

Type 型号	RB521CS-30
Pin 管脚	 
Mark 打标	

Absolute Maximum Ratings 最大额定值

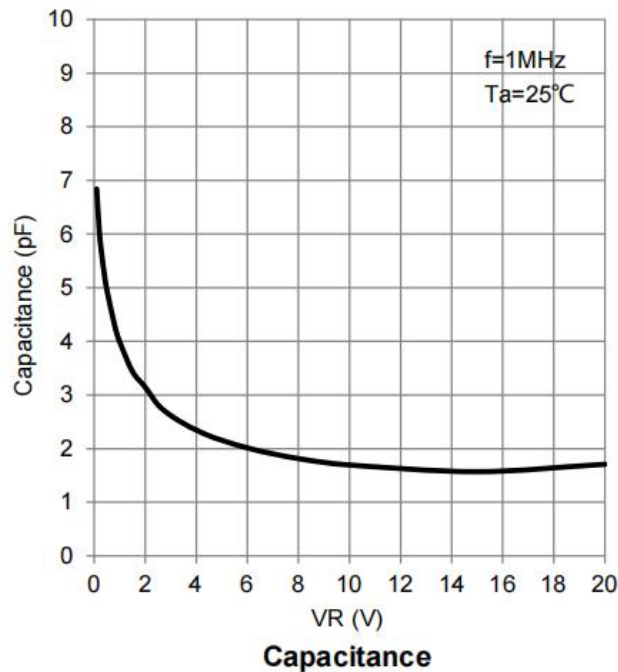
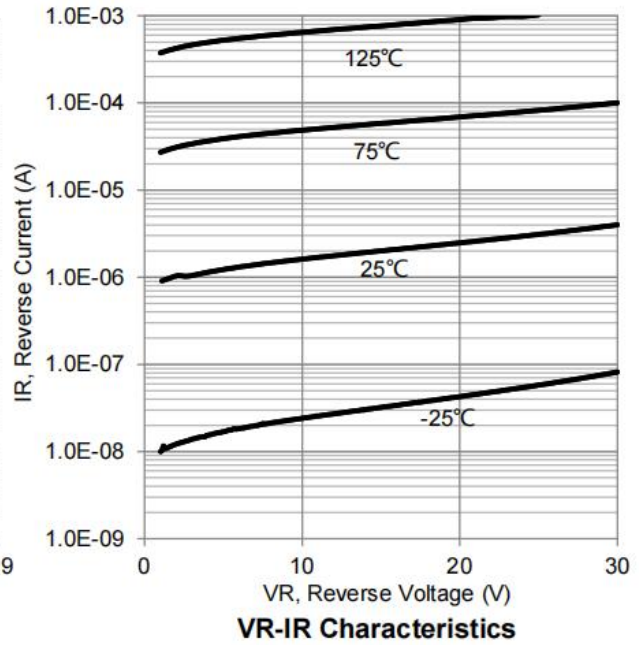
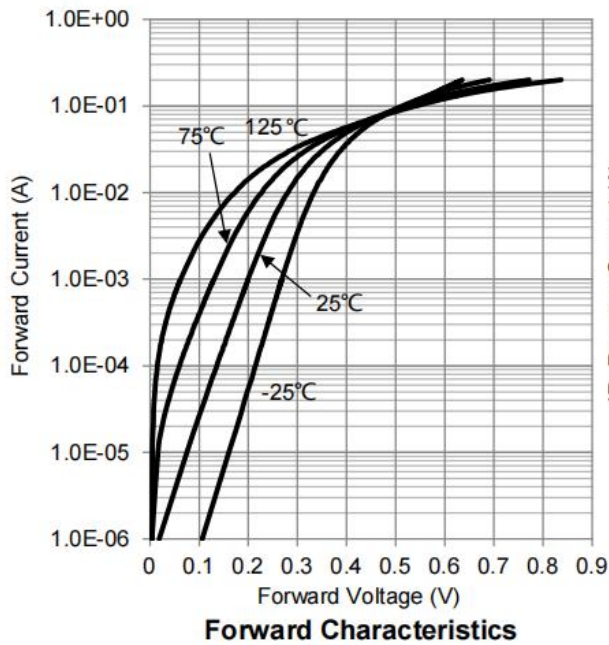
Characteristic 特性参数	Symbol 符号	Rat 额定值	Unit 单位
DC Reverse Voltage 直流反向电压	V_R	30	
Forward Work Current 正向工作电流	I_o	100	mA
Peak Forward Surge Current 正向峰值浪涌电流	I_{FSM}	500	mA
Power dissipation 耗散功率	$P_D(T_a=25^\circ C)$	150	mW
Thermal Resistance J-A 结到环境热阻	$R_{\theta JA}$	668	$^\circ C/W$
Junction and Storage Temperature 结温和储藏温度	T_J, T_{stg}	-55to+125 $^\circ C$	

Electrical Characteristics 电特性

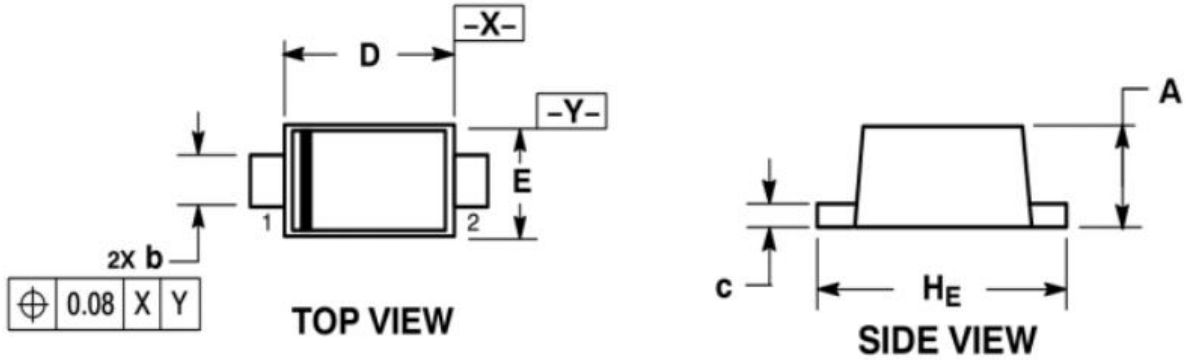
($T_A=25^\circ C$ unless otherwise noted 如无特殊说明, 温度为 $25^\circ C$)

Characteristic 特性参数	Symbol 符号	Min 最小值	Max 最大值	Unit 单位
Reverse Breakdown Voltage 反向击穿电压($I_R=100\mu A$)	$V_{(BR)}$	30	—	V
Reverse Leakage Current 反向漏电流($V_R=10V$)	I_R	—	10	μA
Forward Voltage($I_F=10mA$) 正向电压($I_F=20mA$)	V_F	—	0.38 0.45	V

■ Typical Characteristic Curve 典型特性曲线



■Dimension 外形封装尺寸



DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.34	0.37	0.40	0.013	0.015	0.016
b	0.15	0.20	0.25	0.006	0.008	0.010
c	0.07	0.12	0.17	0.003	0.005	0.007
D	0.75	0.80	0.85	0.030	0.031	0.033
E	0.55	0.60	0.65	0.022	0.024	0.026
H _E	0.95	1.00	1.05	0.037	0.039	0.041
L	0.19REF			0.007REF		
L ₂	0.05	0.10	0.15	0.002	0.004	0.006