



SLS SEMICONDUCTOR (SHENZHEN) CO.,LTD.

SOD-323 封装二极管/SOD-323 Plastic-Encapsulate Diodes

1SS355 (FAST SWITCHING DIODE)

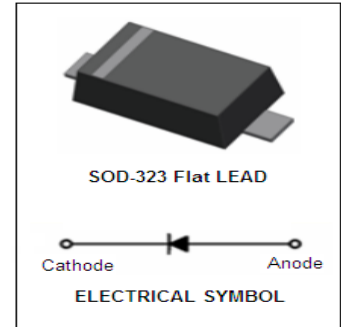
特点/Features :

- 速度快；
- 过电流能力强；
- 尺寸小，适合各种有尺寸要求场合；

用途/Applications :

高速开关电路。

印章/ Marking: A



极限参数/Absolute maximum ratings(Ta=25°C)

参数/Parameter	符号/ Symbol	数值/Value	单位/Unit
反向峰值电压/Non-Repertitive Peak Reverse Voltage	V_{RM}	90	V
直流阻断电压/DC Blocking Voltage	V_R	80	V
正向峰值电流/Peak Forward Current	I_{FM}	225	mA
平均整流输出电流/Average Rectified Output Current	I_O	100	mA
正向瞬时峰值电流/Peak Surge Forward Current(1S)	I_{FSM}	500	mA
结温/Junction Temperature	T_j	125	°C
储存温度/Storage Temperature	T_{stg}	-65~150	°C

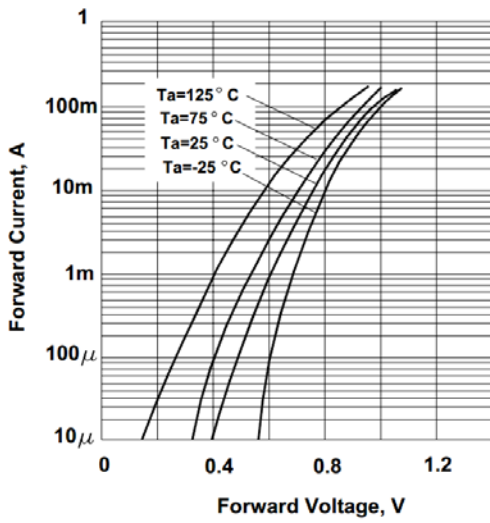
电性能参数/Electrical characteristics (Ta=25°C)

参数/Parameter	符号	测试条件	最大值	单位
正向电压/Forward Voltage	V_F	$I_F=100mA$	1.2	V
反向漏电流/Reverse Current	I_R	$V_R=80V$	0.1	μA
端电容/Capacitance Between Terminals	C_T	$V_R=0.5V, f=1MHz$	3	pF
反向恢复时间/Reverse Recovery Time	t_{rr}	$I_F=10mA, V_R=6V, R_L=100\Omega$	4	nS

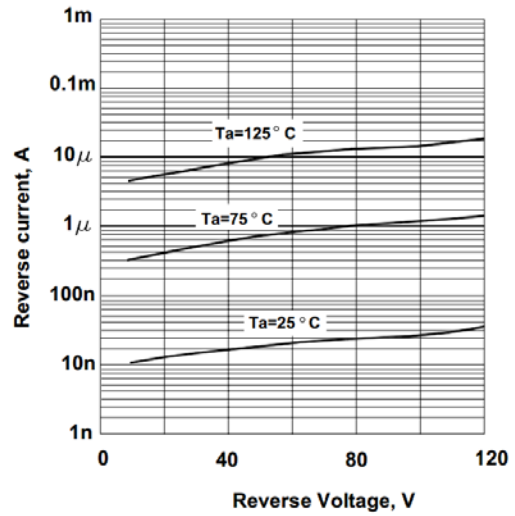


典型特性曲线图/Typical Characteristics

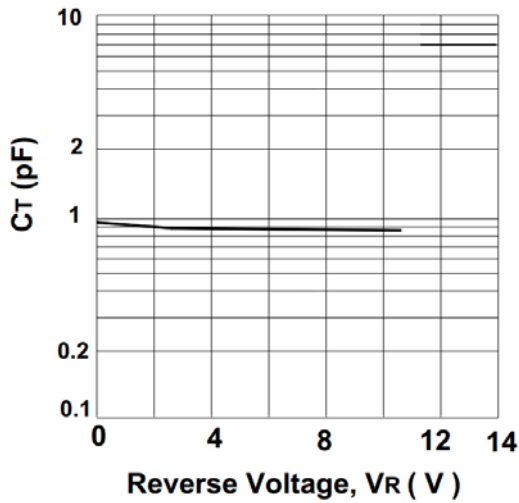
Forward Characteristics



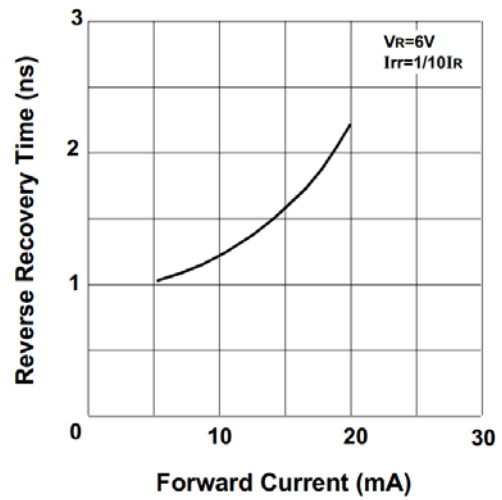
Reverse Characteristics



Capacitance between terminals characteristics



Reverse Recovery Time Characteristics



Surge Current Characteristics

