



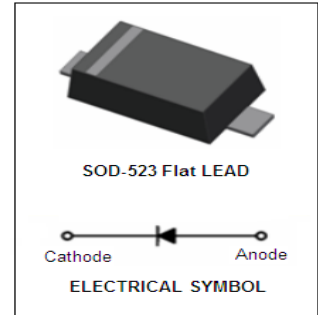
SLS SEMICONDUCTOR (SHENZHEN) CO.,LTD.

SOD-523 封装二极管/SOD-523 Plastic-Encapsulate Diodes

1SS388 (SCHOTTKY BARRIER DIODE)

特点/Features :

- Small Pacakage ;
- Low Forward Voltage ;
- Low Reverse Current ;



印章/ Marking: S3

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

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	45	V
DC reverse voltage	V_R	40	V
Average forward current	I_o	0.1	A
Maximum(Peak) forward current	I_{FM}	0.3	A
Forward surge current (t=10mS)	I_{FSM}	1.0	A
Power dissipation	P_D	150	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55~150	°C
Operating temperature range	T_{opr}	-40~100	°C

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward Voltage	V_{F1}	$I_F=1.0mA$		0.28		V
	V_{F2}	$I_F=10mA$		0.36		V
	V_{F3}	$I_F=50mA$		0.54	0.40	V
Reverse Current	I_R	$V_R=10V$			5.0	μA
Total Capacitance	C_T	$V_R=0V, f=1.0MHz$		18	25	pF

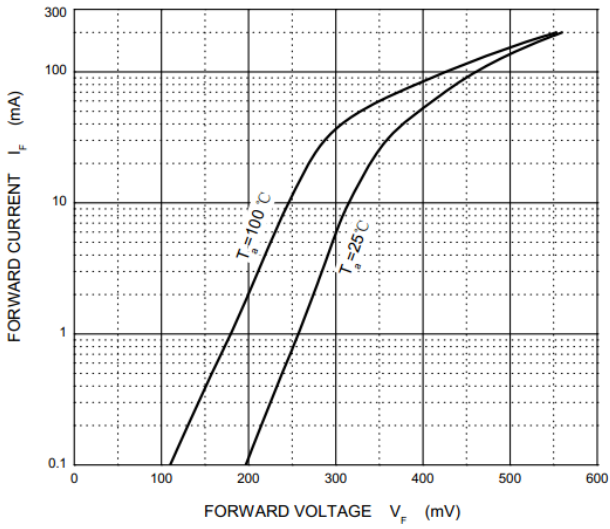


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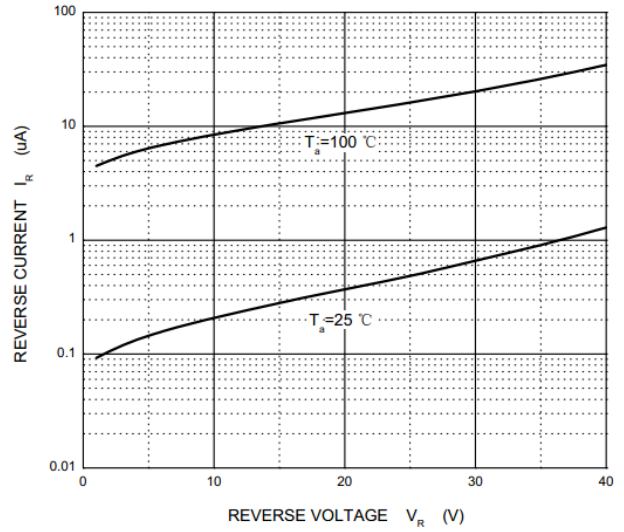
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典型特性曲线图/Typical Characteristics

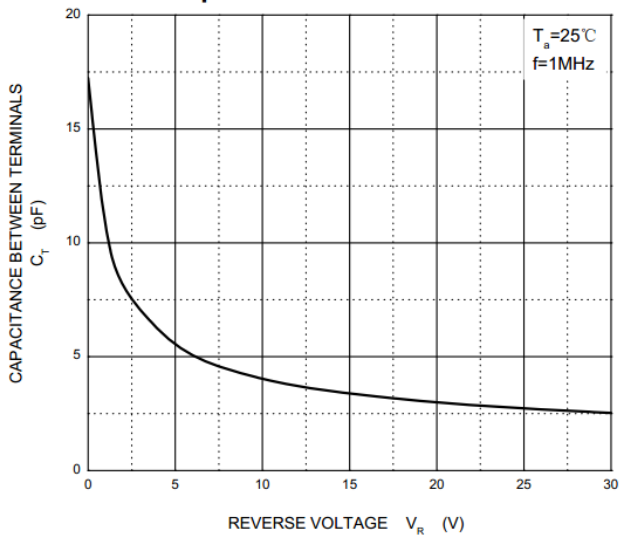
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

