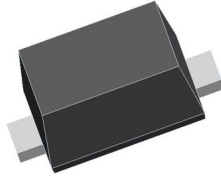


SOD-523



MARKING: C



特征 Features

- High Current Capability
- Low Forward Voltage Drop

机械数据 Mechanical Data

- SOD-523 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any
- High temperature soldering guaranteed: 260°C/10s
- We declare that the material of product compliant with RoHS requirements and Halogen free

极限值和温度特性(TA = 25°C 除非另有规定)

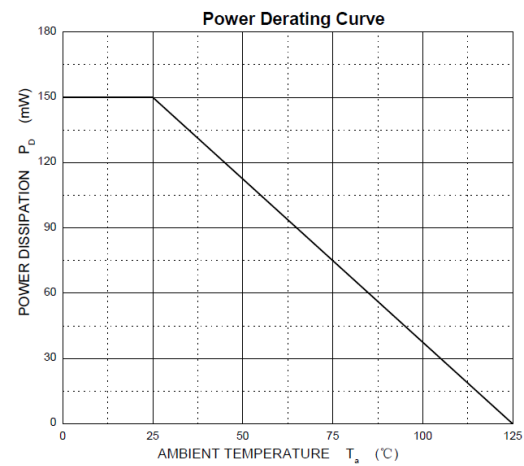
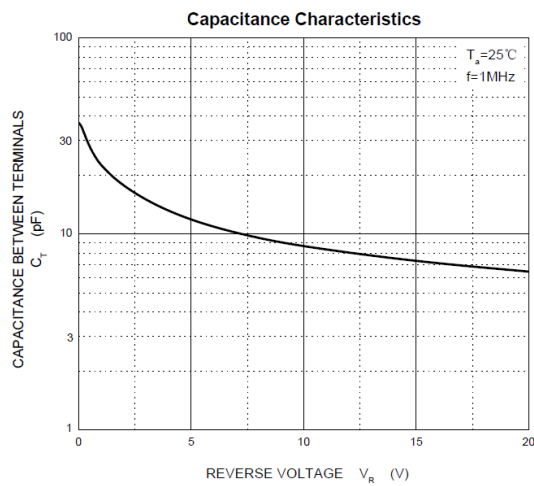
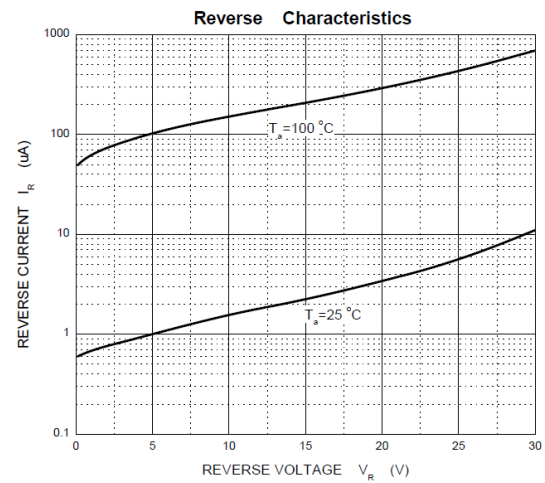
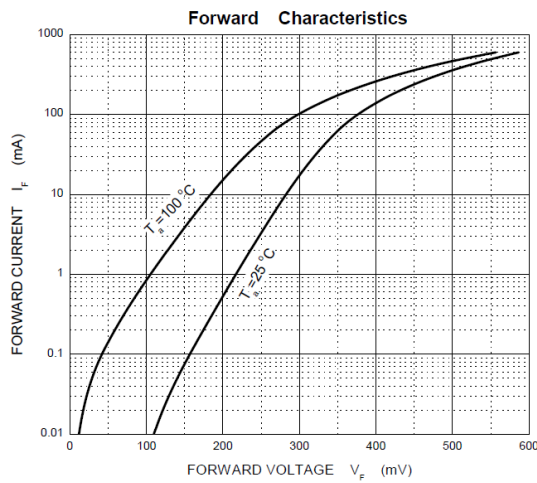
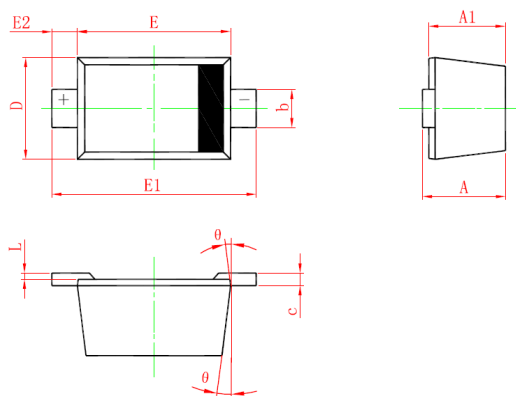
Maximum Ratings & Thermal Characteristics (Ratings at 25°C ambient temperature unless otherwise specified.)

参数 Parameters	符号 Symbol	Limit	单位 Unit
峰值反向电压 Peak reverse voltage	VRM	30	V
直流反向电压 DC reverse voltage	VR	30	V
整流电流 Mean rectifying current	Io	0.2	A
峰值正向浪涌电流 Peak forward surge current 8.3 ms single half sine-wave	IFSM	1.0	A
典型热阻 Typical thermal resistance	RθJA	667	°C/W
功率消耗 Power Dissipation	PD	150	mW
存储温度 Storage temperature range	TSTG	-50-+150	°C

电特性 (TA = 25°C 除非另有规定)

Electrical Characteristics (Ratings at 25°C ambient temperature unless otherwise specified).

参数 Parameters	符号 Symbol	测试条件 Test conditions	Min	Typ	Max	单位 Unit
最大正向电压 Maximum forward voltage	VF	IF = 10mA IF = 200mA			0.35 0.50	V
最大反向电压 Maximum reverse breakdown voltage	VR	IR=1mA	30			V
最大反向电流 Maximum reverse current	IR	VR=10V			30	uA

特性曲线Characteristic Curves

SOD-523 PACKAGE OUTLINE Plastic surface mounted package


Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.510	0.770	0.020	0.031
A1	0.500	0.700	0.020	0.028
b	0.250	0.380	0.010	0.015
c	0.080	0.150	0.003	0.006
D	0.750	0.850	0.030	0.033
E	1.100	1.300	0.043	0.051
E1	1.500	1.700	0.059	0.067
E2	0.200 REF		0.008 REF	
L	0.010	0.070	0.001	0.003
θ	7° REF		7° REF	

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