

SS1040

Rev.G Apr.-2018

描述 / Descriptions

SOD-123 塑封封装 肖特基二极管。
Schottky Diode in a SOD-123 Plastic Package.

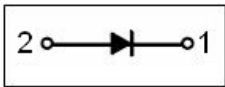
特征 / Features

低正向压降，可忽略的反向恢复时间。无卤产品。
Low positive pressure drop, can ignore the reverse recovery time. HF Product.

用途 / Applications

肖特基二极管。
Schottky diode.

内部等效电路 / Equivalent Circuit



引脚排列 / Pinning



PIN1:Cathode PIN2:Anode

放大及印章代码 / h_{FE} Classifications & Marking

Marking	HG4
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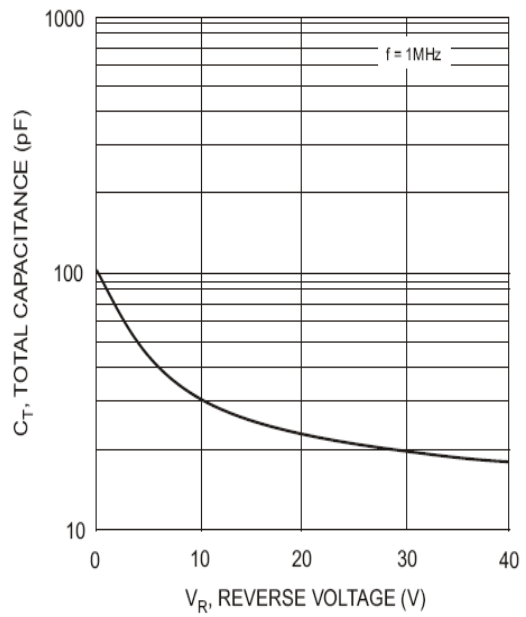
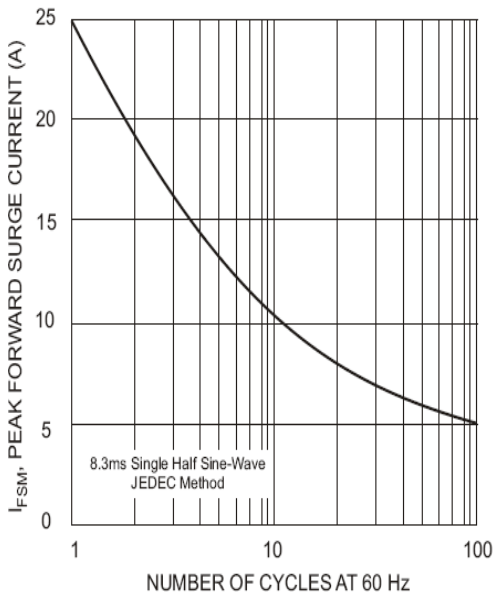
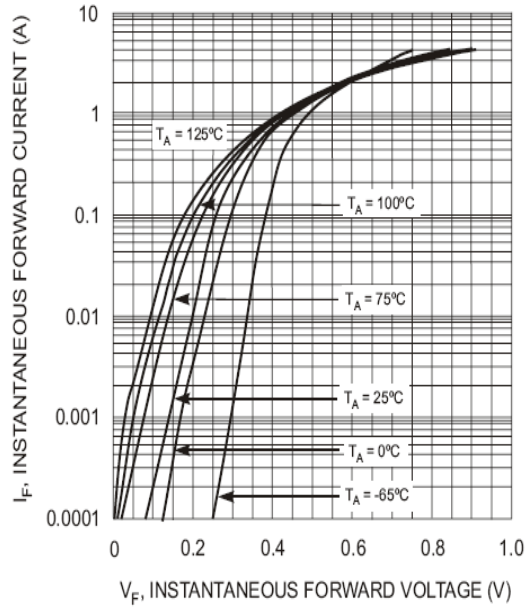
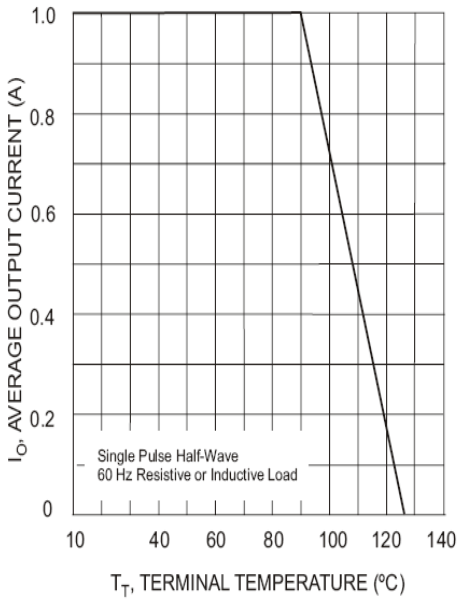
极限参数 / Absolute Maximum Ratings(Ta=25°C)

参数 Parameter	符号 Symbol	数值 Rating	单位 Unit
Peak Repetitive Reverse Voltage, Working Peak Reverse Voltage, DC Reverse Voltage	V_{RRM} V_{RWM} V_R	40	V
Non-Repetitive Peak Forward Surge Current	I_{FSM}	25	A
Average Rectified Output Current	I_F	1.0	A
Power Dissipation	P_D	450	mW
Typical Thermal Resistance Junction to Ambient	$R_{\theta JA}$	222	°C/W
Junction and Storage Temperature Range	T_j, T_{STG}	-65~125	°C

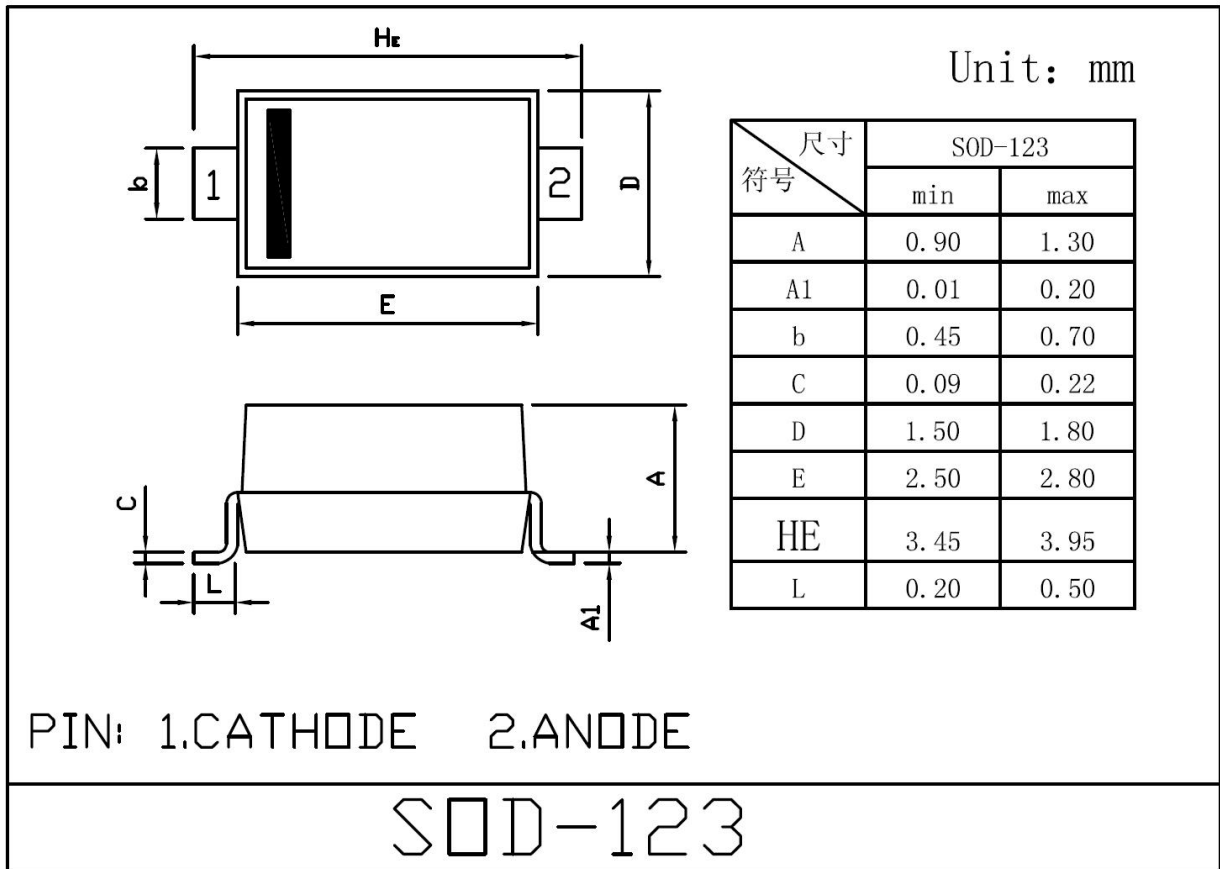
电性能参数 / Electrical Characteristics(Ta=25°C)

参数 Parameter	符号 Symbol	测试条件 Test Conditions	数值 Rating			单位 Unit
			最小值 Min	典型值 Typ	最大值 Max	
Peak Forward Voltage	V_{FM}	$I_F=1.0A$			0.55	V
Instantaneous Reverse Current	I_{RM}	$V_R=40V$			500	uA
Capacitance	C_J	$V_R=4.0V$ $f=1.0MHZ$		50		pF

电参数曲线图 / Electrical Characteristic Curve



外形尺寸图 / Package Dimensions



印章说明 / Marking Instructions



说明：

H： 为公司代码

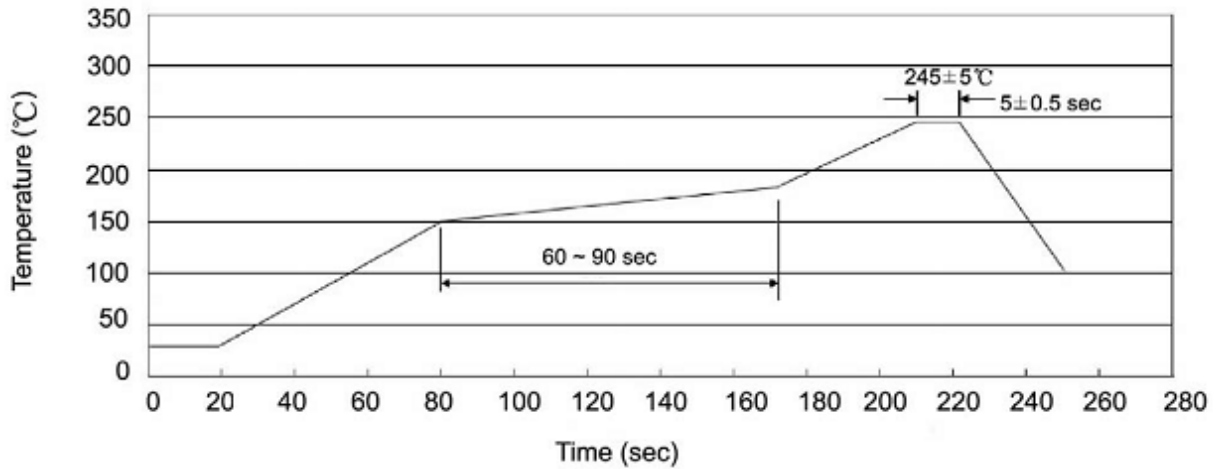
G4： 为型号代码

Note:

H: Company Code.

G4: Product Type.

回流焊温度曲线图(无铅) / Temperature Profile for IR Reflow Soldering(Pb-Free)



说明：

- 1、预热温度 150~180°C，时间 60~90sec;
- 2、峰值温度 245±5°C，时间持续为 5±0.5sec;
- 3、焊接制程冷却速度为 2~10°C/sec.

Note:

- 1.Preheating:150~180°C, Time:60~90sec.
- 2.Peak Temp.:245±5°C, Duration:5±0.5sec.
3. Cooling Speed: 2~10°C/sec.

耐焊接热试验条件 / Resistance to Soldering Heat Test Conditions

温度：260±5°C 时间：10±1 sec. Temp.:260±5°C Time:10±1 sec

包装规格 / Packaging SPEC.

卷盘包装 / REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOD-123	3,000	10	30,000	6	180,000	7" x8	180×120×180	390×385×205

使用说明 / Notices