

## ●Part Number Guide

T-V-FF.FFFM-FS -OT -P-TR-S

T(Type 型号): XO=149 SMD XO

V(Input Voltage 输入电压):3.3=3.3V 5.0=5.0V,etc

F(Frequency 标称频率):32.768

FS(Frequency Stability 频率稳定性): 10=±10ppm, etc

OT(Operating Temperature 工作温度):A=-20℃ to +70℃ B=-55℃ to +125℃, etc

P(Pull ability):100=100ppm, etc

TR(Tape and Reel 编带)

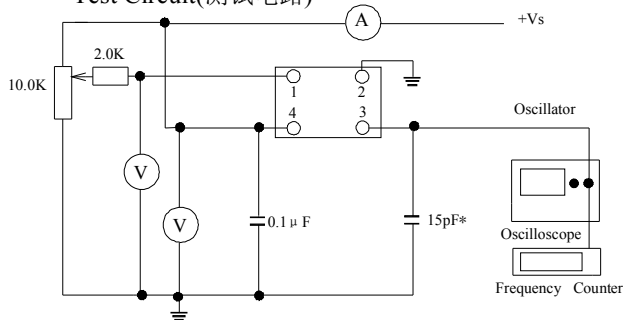
S(Special Requirement 特殊要求)



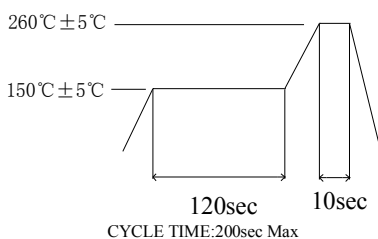
## ●Electrical Specifications 电气参数

| 型号      | Holder Type                          | XO SMD149               |
|---------|--------------------------------------|-------------------------|
| 频率范围    | Frequency Range(F)                   | 1.000MHz to 200.000MHz  |
| 总频差     | Frequency Stability ( $\Delta F/F$ ) | ±25ppm to ±50ppm        |
| 输入电压    | Input Voltage (Vdd)                  | 3.3V or 5.0V ±10%       |
| 控制电压    | Control Voltage (Vc)                 | 1.65V±1.5 or 2.5V ±2.25 |
| 输入电流    | Input Current (Ldd)                  | 45mA Max                |
| 工作温度范围  | Operating Temperature Range          | -10℃~+60℃ to -55℃~+125℃ |
| 储存温度范围  | Storage Temperature Range            | -40℃~+85℃/-55℃~+125℃    |
| 上升/下降时间 | Rise/Fall Time (Tr/Tf)               | 6nS max                 |
| 占空比     | Duty Cycle                           | 40/60 Standard          |
| 线性      | Linearity                            | 10%Max                  |
| 牵引量     | Pull ability                         | ±50~±100                |

## • Test Circuit(测试电路)

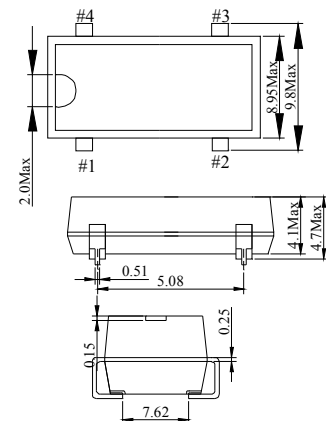


## • Reflow Condition 回流焊条件

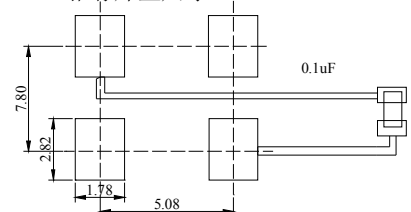


## • Mechanical Dimensions外型尺寸

UNIT(单位):mm(毫米)



推荐焊盘尺寸



| PIN | FUNCTION |
|-----|----------|
| 1   | GND      |
| 2   | GND      |
| 3   | Output   |
| 4   | Vcc      |

## E/D 功能说明

| #1                     | #3  |
|------------------------|-----|
| 高电平 (70% VDD Min.) 或开路 | 起振  |
| 低电平 (70% VDD Max.) 或接地 | 高阻态 |