

## ●Part Number Guide

T-V-S-FF.FFFM-FS -OT -OP-TU-S

T(Type 型号): XO=08 HALF SIZE (8PIN) XO

V(Input Voltage 输入电压): 3.3=3.3V 5=5.0V, etc

S(Symmetry 占空比): 5=45/55max 6=40/60 max

F(Frequency 标称频率)

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

OT(Operating Temperature 工作温度): A=-20℃ to +70℃ 3080=-55℃ to +125℃, etc

OP(Output 输出): 1= TTL 15PF 2=50TTL 3=15PF CMOS 4=50PF CMOS

TU(Tube 摆管)

S(Special Requirement 特殊要求)

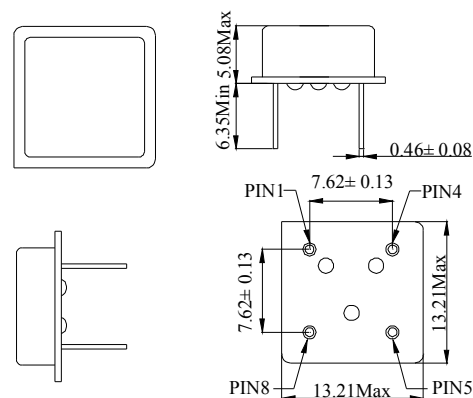


## ●Electrical Specifications 电气参数

| 型号    | Holder Type                      | HALF SIZE XO08                                                |
|-------|----------------------------------|---------------------------------------------------------------|
| 频率范围  | Frequency Range                  | 32.768KHz to 160.000MHz                                       |
| 频率偏差  | Initial Frequency Tolerance @25℃ | ±50ppm                                                        |
| 频率稳定度 | Frequency Stability              | ±10ppm                                                        |
| 老化率   | Aging 1 Year                     | ±5.0ppm                                                       |
| 输入电压  | Input Voltage                    | 5.0±10% V                                                     |
| 输入电流  | Input Current                    | 50mA Max                                                      |
| 占空比   | Symmetry (Duty Cycle)            | 40 - 60                                                       |
| 上升时间  | Rise Time                        | 9max nS                                                       |
| 下降时间  | Fall Time                        | 8max nS                                                       |
| 高电平   | Logic "1" Level                  | 2.4Min V                                                      |
| 低电平   | Logic "0" Level                  | 0.4Max V                                                      |
| 开始时间  | Output Type                      | 20Max ms V                                                    |
| 控制电压  | Control Voltage                  | 0.5 - 4.5 V                                                   |
| 相位噪声  | Phase Noise (Typical)<br>dBc/Hz  | <u>10Hz 100Hz 1KHz 10KHz 100KHz</u><br>-70 -95 -120 -145 -150 |

## • Mechanical Dimensions 外型尺寸

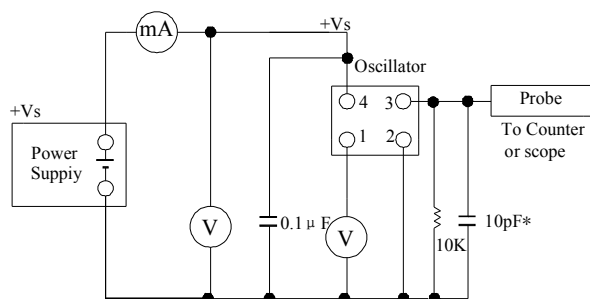
UNIT(单位): mm (毫米)



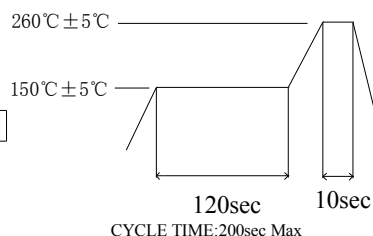
## Pin Connection

| PIN | FUNCTION      |
|-----|---------------|
| 1   | E/D Tri-state |
| 4   | Ground        |
| 5   | Output        |
| 8   | Vdd           |

## • Test Circuit(测试电路)



## • Reflow Condition 回流焊条件



## E/D 功能说明

| #1                     | #5  |
|------------------------|-----|
| 高电平 (70% VDD Min.) 或开路 | 起振  |
| 低电平 (70% VDD Max.) 或接地 | 高阻态 |