

●Part Number Guide

T-M-FF.FFFM-LC-FTFS-OT-ESR-TR-G-S

T(Type 型号): W=2x6 Tuning Fork

F(Frequency 标称频率)

LC(Load Capacitance 负载电容):12.5=12.5pf 00=series, etc

FT(Frequency Tolerance 调整频差):30=±30ppm, etc

OT(Operating Temperature 工作温度):1060=-10°C to +60°C 4085=-40°C to +85°C, etc

ESR(Equivalent Series Resistance 等效阻抗)

TR(Tape and Reel 编带) OR B(Bulk Pack 散装)

G(Gull Wing 夹持器)

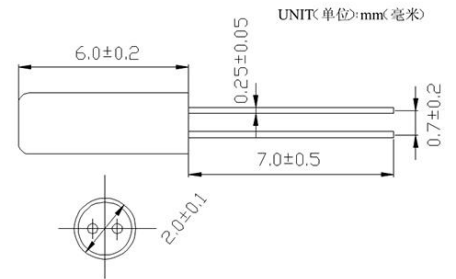
S(Special Requirement 特殊要求)



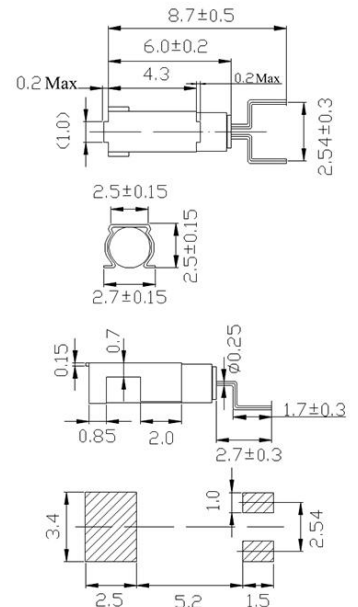
●Electrical Specifications 电气参数

| 型号     | Holder Type                                 | Turning Fork 206(KHz)            |
|--------|---|----------------------------------|
| 频率范围   | Frequency Range                             | 30.000KHz to 200.000KHz          |
| 调整频差   | Frequency Tolerance ( $\Delta F$ ) (at25°C) | ±10ppm to ±100ppm                |
| 频率温度系数 | Parabolic curvature constant                | [-0.035±0.01]ppm/°C <sup>2</sup> |
| 工作温度范围 | Operating Temperature Range                 | -10°C~+60°C to -40°C~+85°C       |
| 储存温度范围 | Storage Temperature Range                   | -40°C~+85°C                      |
| 老化     | Aging (25°C)                                | ±5ppm/Year Maximum               |
| 静电容    | Shunt Capacitance (C0)                      | 1.55pF Typical                   |
| 动电容    | Motional Capacitance(C1)                    | 2.5fF Typical                    |
| 激励功率   | Drive Level                                 | 1μW Typical                      |
| 绝缘阻抗   | Insulation Resistance (Rs)                  | 500 Mega ohms Minimum at D.C100V |
| 负载电容   | Load Capacitance (CL)                       | Suggested by customer            |

• Mechanical Dimensions外型尺寸



Lead Forming (引线折弯)  
GULL WING(夹持器)



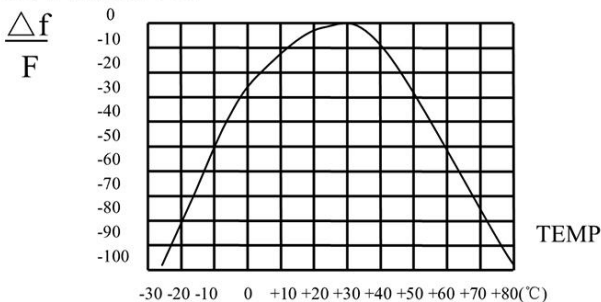
●Equivalent Series Resistance and Mode of Operation

等效阻抗和振荡模式

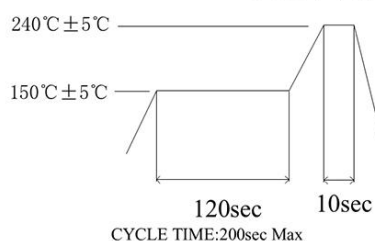
| Frequency Range 频率范围 | ESR (Ω) 等效阻抗 | Mode 振荡模式   |
|----------------------|--------------|-------------|
| 12.000-10.000 MHz    | 120 Max      | Fundamental |
| 10.000-20.000 MHz    | 100 Max      | Fundamental |
| 20.000-30.000 MHz    | 80 Max       | Fundamental |

●Frequency vs. Temperature Curve

频率温度曲线



• Reflow Condition 回流焊条件



Suggested solder pad layout

