

温补晶体振荡器TCX050.000000MHZ

Features

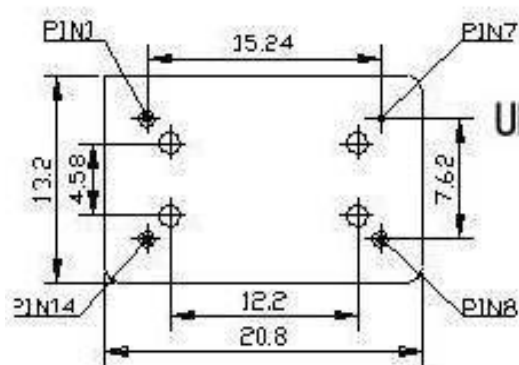
- voltage(3.3V~12.0V)
- Output Waveform(CMOS/TTL)
- Supports a WIDE FREQUENCY RANGE(50.000000MHZ)
- Versus Temperature Range:0.5ppm~1.5ppm
- Compact with dimensions of 20.8×13.2×8mm 12.8*12.8*7mm



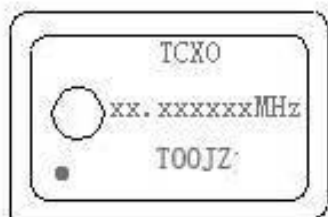
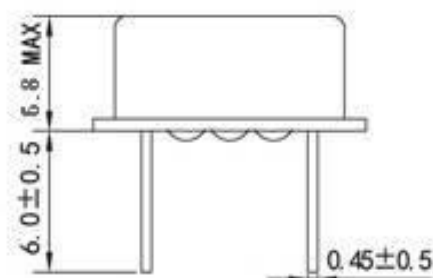
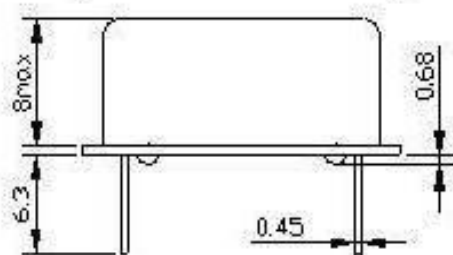
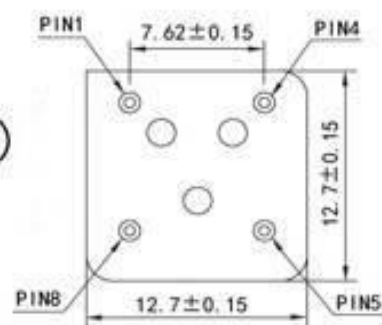
Specifications

| 项目Item | 技术Specifications | | | 备注Remarks |
|-------------|--|---------------|----------|--------------------|
| 频率范围 | 50.000000MHZ | | | Fundamental AT-Cut |
| 初始稳定度 | ≤±0.5PPM | | | |
| 工作温度 | -20℃ to 70℃ | -40℃ to 85℃ | | |
| 频率温度特性 | ≤±0.5PPM | | ≤±1.5PPM | |
| 电源电压 | 3.3Vdc | 5.0Vdc | 12Vdc | ±5%V |
| 电源电流 | ≤30MA | ≤50MA | ≤80MA | |
| 储存温度 | -40℃ to 125℃ | | | |
| 老化率 | 第一年 | 10年 | | per Year |
| | ≤1PPM | ≤5PPM | | |
| 频率稳定性 | ±0.2PPM | | | Vcc±5%(25℃) |
| 相位噪声(20M典型) | 典型值 | | | |
| | 100Hz | -120 dBc/Hz | | |
| | 1KHz | -138 dBc/Hz | | |
| | 10Hz | -143 dBc/Hz | | |
| | 100KHz | -150 dBc/Hz | | |
| | 1MHz | -165 dBc/Hz | | |
| 起动时间 | ≤5MS | | | |
| 输出特性 | 方波 | 正弦波 | | |
| | 15PF, duty:50±3% VOH≥90VDD VOH≤0.1VDD | 50Ω VPP≥1V | | |
| 尺寸(MM) | 12.8×12.8×7(DIP08) | | | |
| | 20.8×13.2×8(DIP14) | | | |
| 频率调节 | 机械调 | 电调(VC) | | |
| | ≥5PPM | ≥8PPM | | |

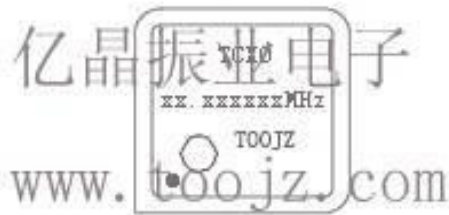
■ Dimensions



UNIT(单位):mm(毫米)



| PIN | FUNCTION |
|------|--------------|
| 1/1 | Vcon/NC |
| 7/4 | GND |
| 8/5 | Output |
| 14/8 | Power Supply |



■ Test Circuit

