

## 温补晶体振荡器TCXO

### Features

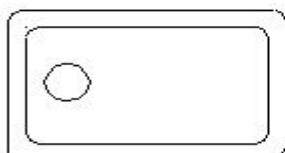
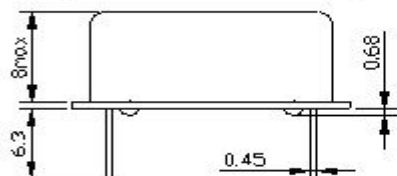
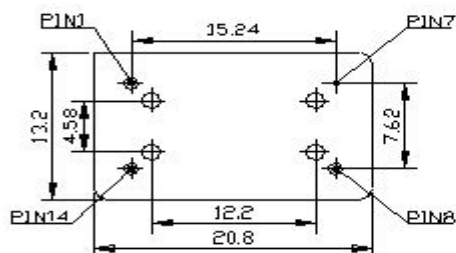
- voltage (3.3V~5.0V)
- Output Waveform (CMOS/TTL)
- Supports a WIDE FREQUENCY RANGE (32.768kHz to 800MHz)
- Versus Temperature Range: 1.0ppm~2.5ppm
- Compact with dimensions of 20.8×13.5×8mm



### Specifications

| 项目Item               | 技术Specifications                   |                 |              | 备注Remarks |              |
|----------------------|------------------------------------|-----------------|--------------|-----------|--------------|
| 频率范围                 | 12.288MHz                          |                 |              |           |              |
| 工作温度                 | -20~70, -40~85                     |                 |              |           |              |
| 频率温度特性               | ±1.0PPM, ±1.5PPM, ±2.0PPM, ±2.5PPM |                 |              |           |              |
| 电源电压                 | 5.0Vdc±5% or 3.3Vdc±5%             |                 |              |           |              |
| 电源电流                 | 5mA Max                            |                 | Clippde Sine |           |              |
|                      | 20mA Max                           |                 | TTL/CMOS     |           |              |
| 老化率                  | ±1.0PPM                            |                 |              | per Year  |              |
| 频率稳定性                | ±0.1PPM, ±0.2PPM, ±0.3PPM, ±0.5PPM |                 |              | Vcc±5%    |              |
| Jitter (抖动)          | 3ps                                |                 |              | RMS Noise |              |
| Allan Variance       | 3PPB                               |                 |              |           |              |
| Phase Noise (相位噪声)   | 100Hz                              | -100dBc/Hz      |              |           |              |
|                      | 1KHz                               | -130dBc/Hz      |              |           |              |
|                      | 10KHz                              | -140dBc/Hz      |              |           |              |
|                      | 100KHz                             | -145dBc/Hz      |              |           |              |
| 输出, 负载特点             | A                                  | Output Waveform | TTL          | CMOS      | Clippde Sine |
|                      | B                                  | Output Levels   | TTL          | CMOS      | 1V pkT0 pk   |
|                      | C                                  | Duty Cycle      | 50%±10%      | 50%±10%   | -            |
|                      | D                                  | Rise/Fall Time  | 5ns          | 5ns       | -            |
|                      | E                                  | Load            | 10TTL        | 15pF      | 10KΩ//10pF   |
| Frequency Adjustment | ±1PPm Min                          |                 |              |           |              |

### Dimensions



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