

温补晶体振荡器TCX0-32.768KHZ

Features

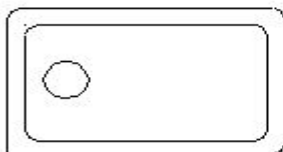
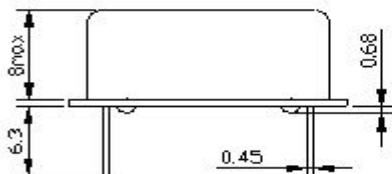
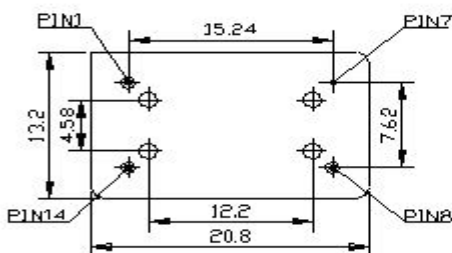
- voltage (3.3V~5.0V)
- Output Waveform (CMOS/TTL)
- Supports a WIDE FREQUENCY RANGE 32.768KHZ
- Versus Temperature Range: 1.0ppm~2.5ppm
- Compact with dimensions of 20.8×13.5×8mm 12.8*12.8*7mm



Specifications

| 项目Item | 技术Specifications | | | 备注Remarks | |
|----------------------|--------------------------|-----------------|--------------|---------------------------|--------------|
| 频率范围 | 32.768KHZ | | | Fundamental AT-Cut PPL | |
| 工作温度 | -10°C to 60°C | -40°C to 85°C | | | |
| 频率温度特性 | ±0.5PPM | ±1.5PPM | | | |
| 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 | ±0.2PPM | | | Vcc ±5% (25°C) | |
| 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 pkTO pk |
| | C | Duty Cycle | 50% ±10% | 50% ±10% | - |
| | D | Rise/Fall Time | 5ns | 5ns | - |
| | E | Load | 10TTL | 15pF | 10K Ω //10pF |
| Frequency Adjustment | ±1PPM Min | | | | |

Dimensions



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