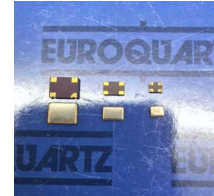


kHz Clock Oscillators

The XOA range of oscillators offers low frequency oscillators which use AT cut crystals instead of the X-Cut tuning fork types. The advantage of this is that the AT cut offers a much better temperature stability and low current in μA .

- **Outputs available:** CMOS (T)
- **Frequency Range:** 27.3kHz to 100kHz
- **Current Consumption:** 32 μA typical
- **Packages available:** 7x5mm , 5x3.2mm , 3.2x2.5mm , 2.5x2.0mm



Datasheet . <https://www.euroquartz.co.uk/media/1150/xoa32.pdf>

Military TCXO T56



The new improved T56 from Greenray Industries offers a stability of $\pm 1\text{ppm}$ over $-55+125^\circ\text{C}$ and low acceleration sensitivity. The features of the TCXO are as follows.....

- **Frequency Stability:** $\pm 1\text{ppm}$ over $-55+125^\circ\text{C}$
- **Acceleration Sensitivity:** $< 3 \times 10^{-10}/\text{g}$
- **Long Term Aging:** $< 4\text{ppm}$ over 10 years
- **Frequency Range:** 10MHz to 52MHz
- **Phase Noise Floor:** $-150\text{dBc}/\text{Hz}$
- **Output Waveform:** CMOS or Clipped Sine



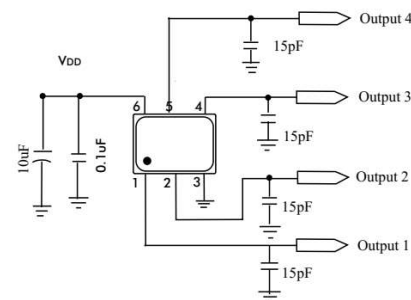
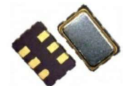
Datasheet: <https://www.euroquartz.co.uk/media/2527/t56-electronica-2022.pdf>

The EQHW series of buffered output Clocks

This oscillator offers a total drive capability of 60pF with 4 x15pF outputs from one package.

Features

- **4 CMOS outputs** with same phase noise
- **Frequency range:** 10MHz to 40MHz
- **3 package variants:** 7x5mm/ 5x3.2mm and 3.2x2.5mm
- **Phase Noise:** $-165\text{dB}/\text{Hz}$ at 100kHz
- **Synchronized start-up**



Datasheet: <https://www.euroquartz.co.uk/media/2437/ehw-iss1.pdf>

The CXOQ and CXOQHG Hi-Rel Miniature Clock Oscillator



This High-Reliability miniature oscillator offers the following features.....

- **Dimensions** – 2.5 x 2.0mm
- **Frequency range:** 16kHz to 100MHz
- **Low Acceleration Sensitivity**
- **Shock Resistance:** 5000g to 75,000g
- **Phase Noise:** $-156\text{ dB}/\text{Hz}$ at 100kHz (25MHz)
- **Jitter :** 200 fsec

Datasheet: https://www.euroquartz.co.uk/media/2361/10190-cxoq_cxoqhg-rev-d-1.pdf