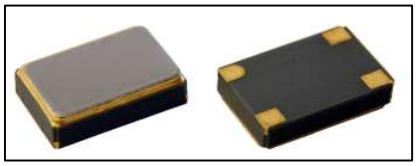
EUROQUARTZ TECHNICAL BULLETIN Issue 21

# ETXO Ultra Low Phase Noise Clock

STATEK

NEW

**Features:**



- Higher frequencies available (170 MHz) Fundamental frequency,
- No PLL artifacts
- Ultra-low period jitter (1 ps rms) @125 MHz
- Ultra-low phase noise (-166 dBc/Hz floor) @125 MHz
- CMOS output / Output enable/disable Internal decoupling capacitor
- Testing to MIL-PRF-55310 product level B available
- Double hermetically sealed ceramic package
- SM1 and SM5 versions are Pb-free
- Designed and manufactured in the US

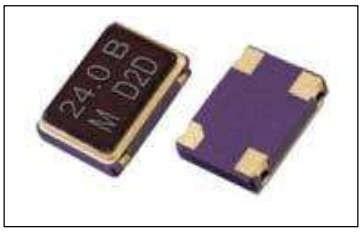
**Datasheet:** https://www.euroquartz.co.uk/media/2572/10235-etxo-rev-a.pdf

# XOA 32.768kHz Low Current Oscillator - 2.5 x2.0mm

NEW

**The XOA series utilises "AT" cut crystals instead of the conventional "X" cut crystal which offers the advantages of lower current and better temperature stability.**

**Features.**



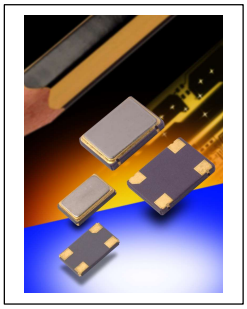

- **Current consumption – 1.2µA at 3.3V**
- **Stability - ±5ppm over -40+85°C available**
- **Package sizes – 2.5x2, 3.2x2.5, 5x3.2 and 7x5 mm**
- **Ideal for real time clocking applications**

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

# EHM22C Series Low EMI Oscillator - 2.5 x2.0mm

NEW

**EQHM22 series low EMI oscillators can reduce system EMI by 12dB. The oscillators are a 'drop-in' replacement for standard oscillators. EMI reduction is achieved by the use of Spread Spectrum Technology whereby the mode energy is spread over a wider bandwidth. The modulation carrier frequency, operating in the kHz region, makes the process transparent to the oscillator frequency. There is a choice of modulation rates and spread to suit application requirements.**



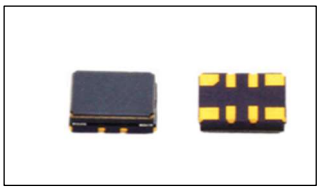
**Datasheet: https://www.euroquartz.co.uk/media/2589/eqhm22c-iss1.pdf**

# T58 High Reliability TCXO – 5.0 x 3.2mm

GREENRAY frequency control solutions

NEW

- **Frequency Range: 10 to 52MHz**
- **G-Sensitivity to <3x $10^{-10}$**
- **Shock Capability: 30,000g**
- **Temperature Stability: ±0.2ppm over -40 + 85°C**



**Datasheet:** https://www.euroquartz.co.uk/products/t58-tight-stability-high-shock-tcxo