

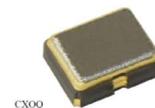


NTXO Tight Stability Clock Oscillator for High Reliability applications



This miniature clock oscillator offers the following features.....

- Built-in internal decoupling capacitor (VDD to GND)
- High shock resistance (HG version) up to 50,000 g
- Wide 1.62 V to 3.63 V operating voltage range
- Phase noise 32 MHz (-160 dBc/Hz) @100 kHz
- Integrated RMS phase jitter 32 MHz (135 fs)
- Low acceleration sensitivity and phase jitter
- Stability - ±5ppm -40+85°C



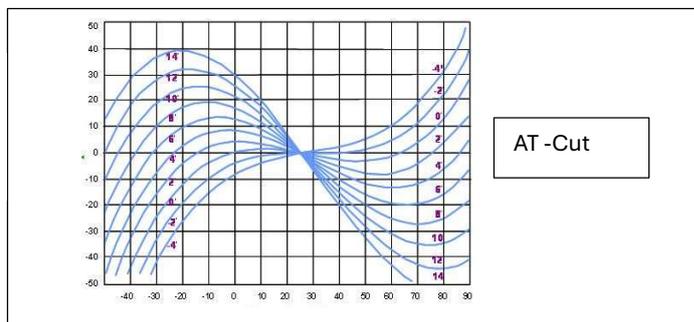
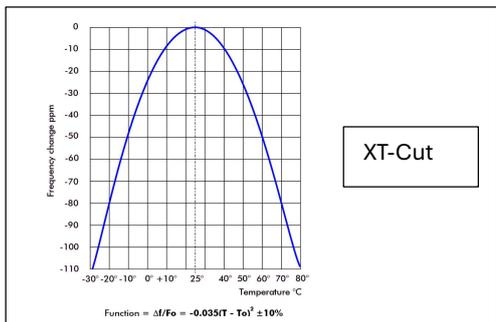
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Datasheet: <https://www.euroquartz.co.uk/media/2850/10244-ntxo-rev-a.pdf>

XOA Series - 32.768kHz oscillator with AT-Cut crystal (27.3kHz to 100kHz)

The XOA series oscillators offer low frequency operation with excellent stability, many 32.768kHz oscillators utilise XY cut crystals which do not offer a high stability.

The XOA oscillator provides a much higher stability as it uses an AT cut crystal in its design, see frequency deviation versus temperature curves below.



The XOA oscillator series is available in frequencies from 27.3kHz to 100kHz and offers four choices of package sizes.

The current consumption is typically 33µA and the input voltage s available range from 1.8V to 5V.

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



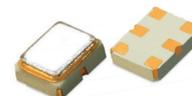
T32 – High Resilience TCXO



The T32 has been developed in a 3.2 x 2.5 mm package. It can survive extremely high pyrotechnic shocks while providing very low acceleration sensitivity. The T32 operating temperature also covers the full MIL range of -55°C to +125°C while holding a frequency stability of only ±1.0 ppm

- Temperature range: -55 °C to +125 °C
- Temperature stability as low as ± 1 ppm over -55 °C to +125°C
- Acceleration sensitivity as low as 0.2 ppb/g
- Shock survivability up to 75,000 g

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Datasheet: https://www.euroquartz.co.uk/media/2744/t32_a6.pdf

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