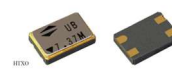


Oscillators for Extreme Temperature applications



Manufactured by Statek Corporation in the USA , available from Euroquartz both crystals and oscillators that are able to operate at extreme temperatures of 200°C.

Applications include downhole exploration and jet engine monitoring systems or any applications where operation beyond 125°C is required.

Type	Part	Size (mm)	Max Temp °C	Frequency	Shock
Crystal	CX4HT	5.0 x1.8	225°C	30kHz to 250MHz	5,000g standard
Oscillator	CXOLHT	3.2 x 1.5	200°C	16kHz to 50MHz	5,000g std 100,000g available
Oscillator	CXOXHT	3.2 x 2.5	200°C	1MHz to 50MHz	5,000g std 100,000g available
Oscillator	CXOMHT	6.5 x 5.0	200°C	200kHz to 50MHz	5,000g std 100,000g available

See Euroquartz website for more details: www.euroquartz.co.uk

Ultra Miniature Quartz Crystals for embedded applications – X11 Series

X11 crystals are ultra-miniature AT-cut crystals covering the frequency range 24MHz to 48MHz in fundamental mode. Their exceptionally small outline (1.6 x 1.2mm) and low mass coupled with high shock and vibration resistance makes these crystals ideal for miniaturized handheld equipment and similar high-density applications.

- Frequency range 24MHz to 48MHz, fundamental mode
- Ultra-miniature package 1.6 x 1.2 x 0.4mm Packaged in standard EIA tape and reel
- Exceptionally low ageing High shock and vibration resistance



Datasheet: <https://www.euroquartz.co.uk/media/2204/x11-iss2.pdf>

FAST DELIVERY MINIATURE CLOCK OSCILLATORS FROM UK FACTORY

The EHTF21 and EHTF32 series low jitter miniature clock oscillators ideal for development samples or low volume production and available from the UK factory in

Features

- Ultra-miniature 3.2x2.5 and 2.05 x1.65 mm packages
- 1MHz to 299MHz frequency range
- Factory configurable for quick turnround
- Tristate Function
- Supply Voltages 1.8V,2.5V and 3.3V
- Low RMS jitter 0.9pS typical



Datasheets: <https://www.euroquartz.co.uk/media/2461/ehf21-iss3.pdf>
<https://www.euroquartz.co.uk/media/2464/ehf32-iss3.pdf>

Odd Export issues

We recently tried to export some industrial specification oscillators to mainland China only for the HM customs to stop them declaring that they were Dual Use items, despite our protests and data provided.

These were for a UK customer who was having product manufactured by a Chinese subcontract house.

We had to apply for a SIEL (Standard Individual Export Licence export licence) which was acquired only to find that only one of the main UK carrier companies will handle exports for Dual Use/military shipments requiring a SIEL.

Any companies planning on placing production in mainland China it is worth taking into account, if HM customs state that parts are Dual Use then there is no system for challenging the decision. It turns out that this was based on the phase noise value of the oscillator which was not stated and so an assumption was made.