

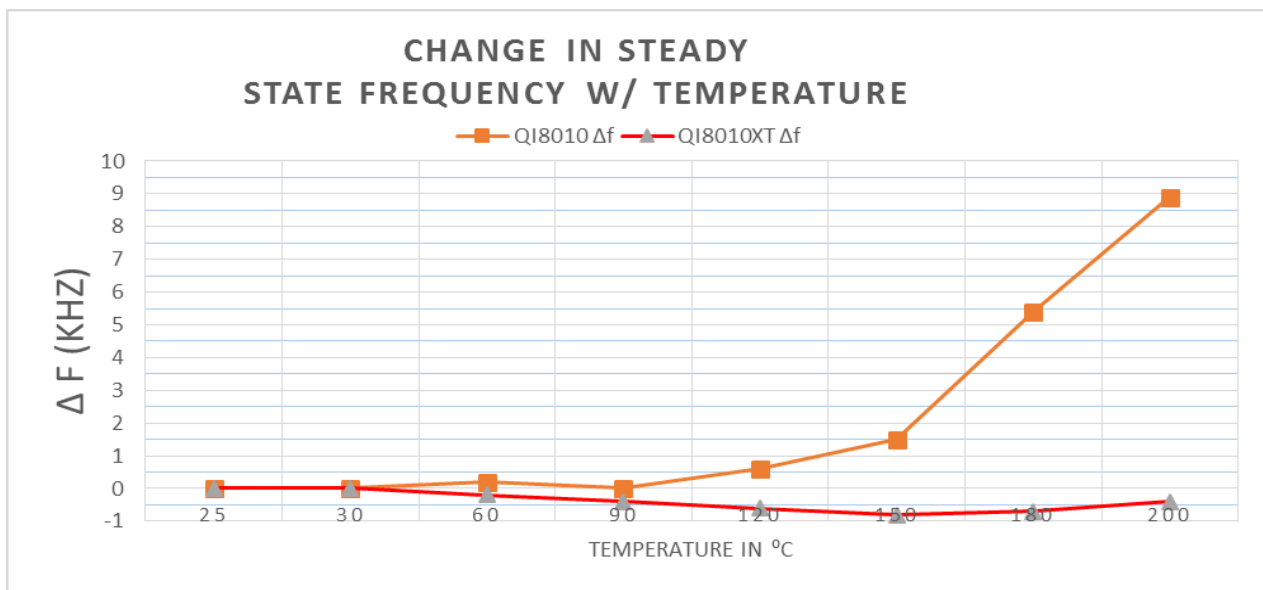
QXT8010 Extreme Temperature Crystals

This sensor is made for users that require an expanded temperature operation regime.

Primary **ADVANTAGES**

- Functional operation span from 20-200 ° C
- Low sensitivity to thermal and mechanical stress
- Higher Q and associated improved phase noise characteristics
- Fewer activity dips
- Lower drive level sensitivity

Temperature Test Profile of **QXT8010** vs. QI8010



Precautions on use:



Even though the QXT8010 can operate in a larger temperature span it's still important to try to maintain the operation range to <1C. It's critical that the temperature is monitored during the coating process and that the cooling water input is stable through use of an industrial chiller system.

It is also suggested to use a Fil-Tech oscillator (p/n 180-010) with the QXT8010 because it has been optimized to provide appropriate drive levels.

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