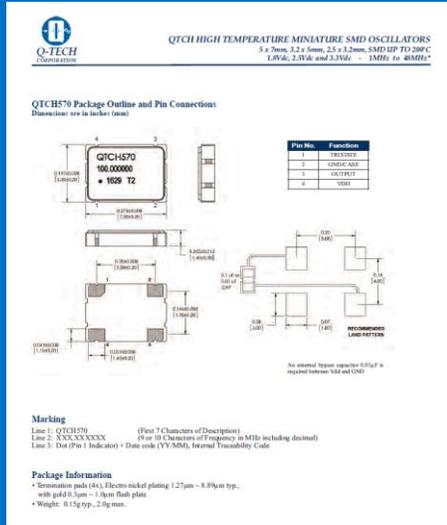


### QTCH-series Product Catalog:



Download [here](#).

The following standard frequencies will be in-stock:

- 4.096 MHz
- 8.000 MHz
- 8.192 MHz
- 16.000 MHz
- 20.000 MHz

If you need more information or data sheets, please don't hesitate to contact us.

### Protec GmbH

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## Q-Tech - New Line of Miniature Hi-Temp (up to 200°C) Downhole Oscillators

Q-Tech Corporation presents a new line of miniature ultra-high temperature (up to 200C) DOWNHOLE oscillators available in **2.5 x 3.2mm**, **3.2 x 5mm**, and **5 x 7mm** packages. These miniature oscillators will provide Q-Tech customers with the smallest options offered yet in the downhole market.

### 2.5x3.2mm, 3.2x5mm, 5x7mm, SMD up to 200°C, 1.8Vdc, 2.5Vdc and 3.3Vdc – 1MHz to 48MHz

The QTCH series are miniature surface-mount (SMD) crystal oscillators supporting a frequency between 1MHz and 48MHz fundamental mode operating in a wide supply voltage range from 1.8Vdc to 3.3Vdc, very low power consumption (<3mA) with a temperature range from -55°C to +200°C. Package offerings in three low profile ceramic packages, 2.5x3.2mm, 3.2x5.0mm and 5.0x7.0mm, which are hermetically sealed with gold plated contacts or hot solder dipped.



### Features:

- ECCN: EAR99
- Capable to work at multiple supply voltages
- Wide operating temperature -55°C to +200°C available
- Very low power consumption
- CMOS logic 1.8Vdc, 2.5Vdc, 3.3Vdc
- Tri-State Output Standard
- Fundamental amode AT cut crystal
- High shock and vibration resistant
- Full or partial military screening tests available
- Tape and reel packaging
- Lead Free, RoHS Compliant

### Ordering Code:

### Ordering Information

