

Other Standard Q-Tech Products:

Q-Tech's XO's:

QT606C/L – 100kRad – 50kHz to 150MHz
 QT625C/L – 100kRad – 50kHz to 150MHz
 QT641C/L – 100kRad – 50kHz to 150MHz

Q-Tech's TCXOs:

QT801 to 6 – 100kRad – 2MHz to 150MHz
 QT811 to 6 – 100kRad – 2MHz to 350MHz
 QT821 to 6 – 100kRad – 2MHz to 225MHz

Q-Tech's VCXOs:

QTV701 to 6 – 100kRad – 2MHz to 150MHz
 QTV711 to 6 – 100kRad – 2MHz to 350MHz
 QTV721 to 6 – 100kRad – 2MHz to 225MHz
 QT725 – 100kRad – 2MHz to 225MHz

CLASSB+ Oscillators:

Fully approved for Flight, RadHard up to 100kRad TID, No SEL, HCMOS, TTL, LVDS, LVC MOS. Swept Quartz Crystal. Low Phase Noise, Class S Screening available. Different Package Options available. Class K / TOR Element Evaluation. Smaller Form Factor and Lower Cost.

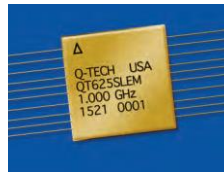
QT122 – 100kRad – 250kHz to 350MHz
 QT128 – 100kRad – 250kHz to 350MHz
 QT178 – 100kRad – 250kHz to 350MHz
 QT193 – 100kRad – 250kHz to 350MHz
 QT188 to 92 – 100kRad – 250kHz to 165MHz

Protec GmbH

Rosenheimer Landstraße 117
 83229 Ottobrunn-Riemerling

eMail: sales@protec-semi.de
 Web: http://www.protec-semi.de

New Q-Tech Products



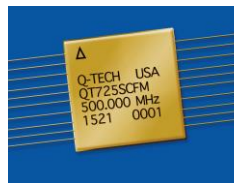
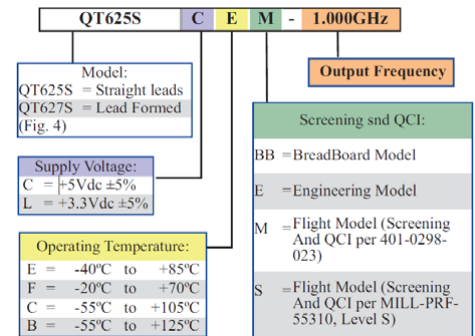
SAW Oscillator upto 1,5GHz - 100kRad

QT625S - 3.3 and 5.0Vdc Space Qualified. Q-Tech QT625S low phase noise Space Qualified, 100kRad(Si) Tolerant Hybrid SAW Oscillators provide superior performance at operating frequencies from 400MHz to 1.5GHz. QT625S delivers low phase noise, – 110dBc/Hz @1 kHz offset, –170 dBc/Hz noise floor. Typical vibration sensitivity is less than 1ppb/g.

The QT625S SO is a Class 2 hybrid per MIL-PRF-55310, hermetically sealed, and operated from –40°C to +85°C. The design can employ internal frequency multiplication to optimize noise performance.

Features

- Supply voltages 3.3Vdc and 5.0Vdc
- Wide temperature range –40°C to +85°C
- Screened to MIL-PRF-55310, Level S or Modified MIL-PRF-38534, Class K
- Sine Wave Output
- 100k(Si) Radiation Tolerant
- Low Phase Noise
- Low Vibration sensitivity <2ppb/g



Voltage Controlled SAW Oscillator upto 1,5GHz - 100kRad

QT725S Series - 3.3 and 5.0Vdc Space Qualified VCXO. Q-Tech QT725S low noise Voltage Controlled SAW Oscillators provide superior performance at operating frequencies from 400 MHz to 1.5GHz. QT725S delivers low phase noise; 105dBc/Hz at 1 kHz offset and –165 dBc/Hz noise floor. Typical vibration sensitivity is 1ppb/g.

The QT725S VCXO is a Class 2 hybrid per MILPRF-55310, hermetically sealed, and operated from –40°C to +85°C. Absolute Pull range (APR) is ±20ppm min.

Features

- Supply voltages 3.3Vdc and 5.0Vdc
- Wide temperature range –40°C to +85°C with guaranteed APR
- Screened to MIL-PRF-55310, Level S or Modified MIL-PRF-38534, Class K
- Sine Wave Output
- 100k(Si) Radiation Tolerant
- Low Phase Noise
- Low Vibration sensitivity <2ppb/g

