Protec GmbH
Vertrieb elektronischer Bauteile

SPACE COMPONENTS NEWSLETTER NOVEMBER 2013

Q-Tech's XOs:
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

coming soon new VCSO (Voltage Controlled Surface Acoustic Wave Oscillator)

Q-Tech's ITAR free Class B+:
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

Protec GmbH is proud to announce representation for Q-Tech Space Products.

Space Level SAW Oscillator Family
Wider Frequency Range 300MHz to 2.4GHz
Low Phase Noise, 16 Pin Flatpack
Active Vibration Compensation
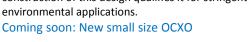Low Power Ovenized Product

ITAR free CLASSB+ Oscillators
Fully approved for Flight, RadHard up to 100krad TID, No SEL, HCMOS, TTL, LVDS, LVCMOS. 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.

Low Phase Noise Space Level OCXO
Q-Tech's **QT410** High Stability Oven Controlled Crystal Oscillator (OCXO) is a high reliability signal generator that provides Sine wave or HCMOS output. The OCXO is designed to be used in Aerospace applications. It is designed to withstand radiation levels up to 100kRad (total dose), high shock and vibration. The OCXO has very low phase noise. Low G-Sensitivity SC-Cut Crystal utilized in the design guarantees 1PPB/G or better. The reliable construction of this design qualifies it for stringent environmental applications.
Coming soon: New small size OCXO

Q-Tech Custom Solutions available.
Depending on your needs, there are also many custom solutions available from Q-Tech. If you are requesting special testing or special Output Requirements like triple outputs, Q-Tech will assign a special Customer Specific Part number which starts with MCM_____.