EMBEDDED COMPUTER SOLUTIONS

Statek

In 1970, Statek Corporation was the first company to use semiconductor technologies such as photolithography, chemical milling and micromachining to manufacture quartz resonators in wafer form. Today, Statek remains at the forefront of innovation in the design, development and manufacturing of highly reliable, ultra-miniature quartzbased frequency control products.

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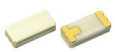
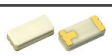
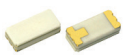
Military Product Features

- Extreme high shock survivability (highest in the industry)
- Ultra-miniature and low-profile packaging
- Excellent long-term aging
- Full product traceability
- High stability and high accuracy
- Extended temperature ranges (-55°C to 225°C)

Surface Mount Quartz Crystals Key Features:

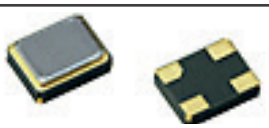
- Ultra-Miniature
- Frequencies from 10 kHz to 250 MHz
- Highest Shock Survivability in the Industry
- Tight Frequency Stability
- Low Acceleration Sensitivity
- High Reliability
- Excellent Long-Term Aging

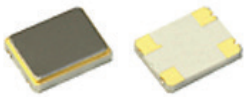
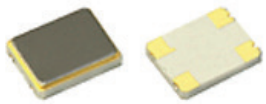
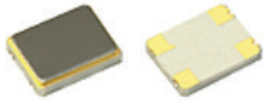
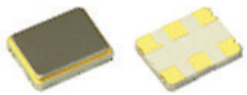
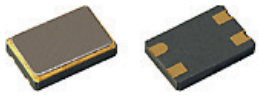
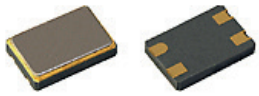
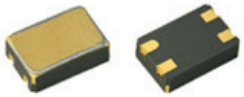
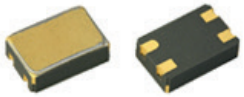
CRYSTAL MODEL		PACKAGE (MM)	FREQUENCY RANGE
CX20		2.5 x 1.2	16 MHz to 50 MHz
CX18		1.6 x 1.0	30 MHz to 100 MHz
CX17		4.8 x 3.0	12 MHz to 200 MHz
CX16		2.0 x 1.2	24 MHz to 100 MHz 32 kHz to 180 kHz
CX11		3.2 x 1.5	32 kHz to 240 kHz 16 MHz to 250 MHz
CX11L		3.2 x 1.5	16 MHz to 250 MHz (Telemetry Crystal)
CX11LHG High Shock		3.2 x 1.5	16 MHz to 50 MHz
CX9HT High Temperature		4.1 x 1.5	32 kHz to 160 kHz 14 MHz to 250 MHz
CX4		5.0 x 1.8	30 kHz to 250 kHz 600 kHz to 1.4 MHz 14 MHz to 250 MHz
CX4HG High Shock		5.0 x 1.8	14 MHz to 50 MHz
CX4HT High Temperature		5.0 x 1.8	30 kHz to 250 kHz 600 kHz to 2.5 MHz 14 MHz to 250 MHz
CX1		8.0 x 3.6	10 kHz to 600 kHz 530 kHz to 2.1 MHz 6 MHz to 250 MHz
CX1HG High Shock		8.0 x 3.6	6 MHz to 250 MHz
CX1HT High Temperature		8.0 x 3.6	10 kHz to 600 kHz 530 kHz to 2.1 MHz 6 MHz to 250 MHz
SWCX1 (swept quartz)		8.0 x 3.6	6 MHz to 250 MHz

Surface Mount Oscillators

Key Features:

- Highest Shock Survivability in the Industry
- Low Phase Noise
- Fast Start-up
- Low Power
- Low Acceleration Sensitivity
- Temperature Range of -65 °C to +275 °C
- Full MIL Testing

OSCILLATOR MODEL		PACKAGE (MM)	FREQUENCY RANGE
CXOU		2.0 x 1.2	32 kHz to 100 kHz
CXOL		3.2 x 1.5	32 kHz to 100 kHz
CXOLAT		3.2 x 1.5	32.768 kHz
CXOLHG High Shock		3.2 x 1.5	16kHz to 32.768 kHz
CXOLHT Performance to 200°C Shock to 100,000g		3.2 x 1.5	16 kHz to 50 MHz
CXOLP Low Power		3.2 x 1.5	1 MHz to 8.5 MHz
CXOQ		2.5 x 2.0	16 kHz to 100 MHz
CXOQHG High Shock		2.5 x 2.0	16 kHz to 100 MHz
STXO Tight Frequency Stability		3.2 x 2.5	10 MHz to 70 MHz
STXOHG Shock to 100,000g		3.2 x 2.5	10 MHz to 70 MHz
CXOX		3.2 x 2.5	16 kHz to 160 MHz
CXOXHT High Temperature		3.2 x 2.5	32.768 kHz 1 MHz to 50 MHz

OSCILLATOR MODEL		PACKAGE (MM)	FREQUENCY RANGE
CXOXHG High Shock		3.2 x 2.5	32.768 kHz 16 kHz to 160 MHz
CXOXULP Ultra Low Power		3.2 x 2.5	32.768 kHz
CXOXULPHT High Temperature Ultra Low Power		3.2 x 2.5	32.768 kHz
CXOXLPN Low Phase Noise High Shock		3.2 x 2.5	10 MHz to 125 MHz
CXOXLPNR Radiation Tolerant		3.2 x 2.5	20 MHz to 125 MHz
CXOMK		6.5 x 5.0	32.768 kHz 200 kHz to 200 MHz
CXOMKHT High Temperature		6.5 x 5.0	32.768 kHz 200 kHz to 50 MHz
CXOMKHG High Shock		6.5 x 5.0	32.768 kHz 200 kHz to 200 MHz
LVDS		3.2 x 5.0 7.0 x 5.0	10 MHz to 160 MHz
HTO57 High Temperature		7.0 x 5.0	32.768 kHz 1.5 MHz to 50 MHz
HTXO High Temperature		7.5 x 5.0	32.768 kHz 1.5 MHz to 50 MHz
HGXO High Shock		7.5 x 5.0	460 kHz to 50 MHz
HGXOHT High Shock High Temperature		7.5 x 5.0	32.768 kHz 460 kHz to 50 MHz