



CXOXLPN OSCILLATOR

20 MHz to 50 MHz
Ultra-Miniature, Low Phase Noise & Low Jitter
High Shock Crystal Oscillator

DESCRIPTION

Statek's ultra miniature and ultra low phase noise and jitter oscillators consist of a CMOS/TTL compatible hybrid circuit and a state-of-the-art, miniature, fundamental-mode crystal. Typical RMS Jitter 12 kHz to 20 MHz - 153 femto seconds.



FEATURES

- High shock resistance (HG version) - 50,000 g option
- CMOS output with Enable/Disable
- Low phase noise and jitter
- Full military testing available
- Low acceleration sensitivity - 0.5 ppb/g or better option
- Wide supply voltage (1.8 V to 3.3 V)
- No PLL artifacts
- Hermetically sealed ceramic package
- Designed and manufactured in the USA

APPLICATIONS

Military & Aerospace

- Smart munitions
- Communications
- Navigation
- GPS

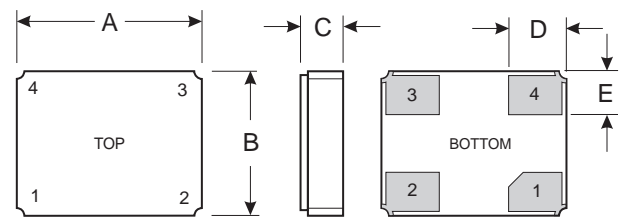
Industrial, Computer & Communications

- Miniature clock oscillator
- Handheld instrumentation
- PDA
- Transponder/Animal migration

Medical

- Test & diagnostic equipment
- Handheld devices

DIMENSIONS



DIM	TYPICAL		MAXIMUM	
	inches	mm	inches	mm
A	0.126	3.20	0.136	3.40
B	0.099	2.50	0.107	2.70
C (SM1)	0.039	1.00	0.043	1.09
C (SM3/SM5)	0.044	1.12	0.048	1.21
D	0.040	1.00	0.041	1.10
E	0.030	0.75	0.031	0.85

PIN CONNECTIONS

1. Output Enable/Disable (E) or no connection (N)
2. Ground
3. Output
4. V_{DD}

SUGGESTED LAND PATTERN

