



CXO3MHG OSCILLATOR

200 kHz to 220 MHz

High Shock, Low-Profile Miniature
Surface-Mount 3.3 V Crystal Oscillator

DESCRIPTION

Intended for applications requiring shock survivability to 10,000 g (and higher), Statek's surface-mount CXO3MHG oscillators are high-shock versions of the CXO3M oscillators. These oscillators consist of a Statek miniature quartz crystal and a CMOS/TTL compatible hybrid circuit in a low-profile ceramic package with an extremely small footprint.

FEATURES

- High shock resistance
- 3.3 V operation
- Designed for surface mount applications using infrared, vapor phase, or epoxy mount techniques
- CMOS and TTL compatible
- Low power consumption
- Optional Output Enable/Disable with Tri-State
- Low EMI emission
- Full military testing available

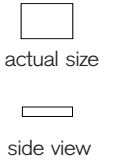
APPLICATIONS

Military & Aerospace

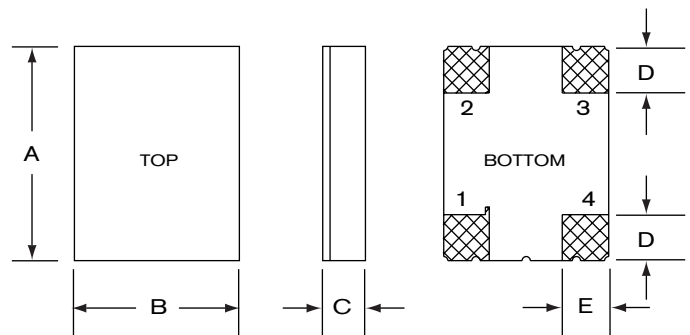
- Smart munitions
- Projectile electronics

Industrial

- Engine control
- Down-hole drilling

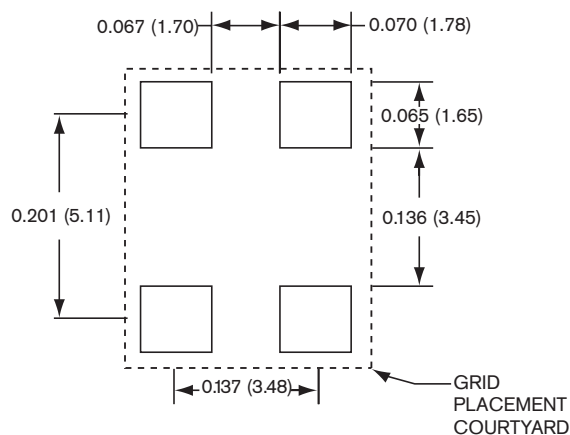


DIMENSIONS



DIM	TYPICAL		MAXIMUM	
	inches	mm	inches	mm
A	0.256	6.50	0.263	6.68
B	0.197	5.00	0.204	5.18
C (SM1)	0.051	1.30	0.055	1.40
C (SM3/SM5)	0.055	1.40	0.063	1.60
D	0.055	1.40	0.065	1.65
E	0.060	1.52	0.070	1.78

SUGGESTED LAND PATTERN



PIN CONNECTIONS

1. Enable/Disable (E or T) or not connected (N)
2. Ground
3. Output
4. V_{DD}

10172 Rev. B



