



CXOXULP OSCILLATOR 32.768 kHz

Ultra-Low Power/Fast Start-Up/High Shock

DESCRIPTION

The CXOXULP 32.768 kHz oscillator achieves the low power comparable with a tuning fork design and the fast start-up and tight frequency stability attained by an AT cut crystal design. Designed for applications requiring ultra-low current (12 μ A) and fast start-up time (5 ms), these oscillators offer tight frequency stability over a wide temperature range (-55°C to +125°C) and high shock survivability.



FEATURES

- Ultra-low current (typical 12 μ A)
- Fast start-up (typical 5 ms)
- Tight tolerance
- High shock resistance
- Low aging
- CMOS output
- Optional Output Enable/Disable with Tri-State
- Low EMI emission
- Hermetically sealed ceramic package
- Full military testing available
- Designed and manufactured in the USA

APPLICATIONS

Military, Aerospace & Avionics

- Communications
- Navigation
- GPS

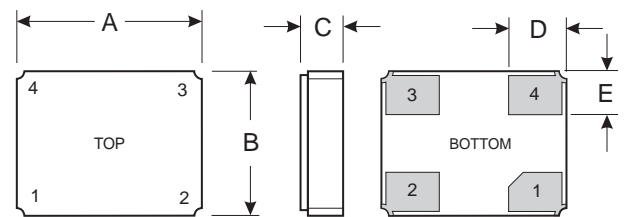
Industrial, Computer & Communications

- Handheld instrumentation
- 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

