



# CXOMK/CXOMKHG OSCILLATOR

## 32.768 kHz

High Stability/High Shock Crystal Oscillator

### DESCRIPTION

For those applications requiring a 32.768 kHz oscillator with high frequency stability over temperature or fast start-up, Statek offers the AT-crystal based 32.768 kHz CXOMK/CXOMKHG oscillator. A frequency stability of  $\pm 20$  ppm over  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  is possible, compared to hundreds of parts-per-million for tuning-fork based 32.768 kHz oscillators. Whereas tuning-fork based oscillators start in hundreds of milliseconds, Statek's 32.768 kHz CXOMK/CXOMKHG oscillators start in 0.8 ms (typically).

### FEATURES

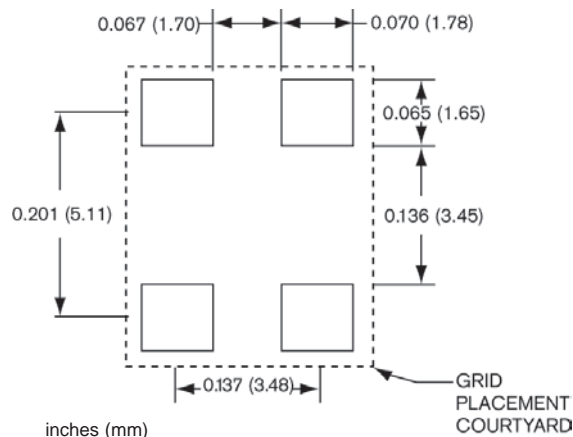
- High frequency stability over temperature
- Fast start-up
- High shock resistance
- Surface mount
- CMOS and TTL compatible
- Optional Output Enable/Disable with Tri-State
- Low EMI emission
- Hermetically sealed ceramic package
- Full military testing available

### APPLICATIONS

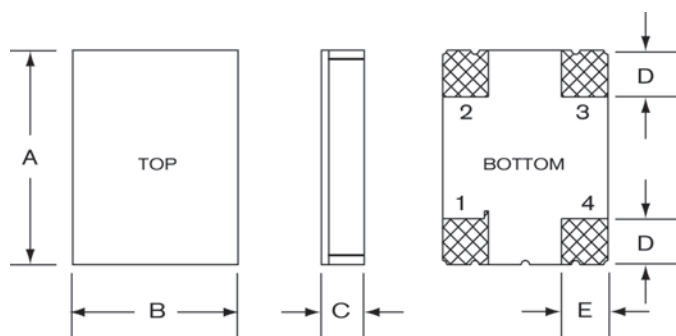
#### Military / Avionics

- Aircraft landing gear
- Avionics
- Smart Munitions

### SUGGESTED LAND PATTERN



### 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)	0.055	1.34	0.060	1.52
C (SM3/SM5)	0.060	1.52	0.065	1.65
D	0.055	1.40	0.065	1.65
E	0.060	1.52	0.070	1.78