



## CX11L TELEMETRY CRYSTAL

16 MHz to 250 MHz

Telemetry, Ultra Low Profile, Ultra-Miniature  
Surface Mount Quartz Crystal

### DESCRIPTION

When miniaturization is paramount, Statek's low profile CX11L AT quartz crystal is an excellent choice. Available in frequencies from 16 MHz to 250 MHz, this crystal has a typical footprint of 3.2 mm x 1.5 mm, and a typical height of 0.5 mm. The resonator is manufactured using Statek's photolithographic and chemical milling processes and then sealed within a ceramic package for high stability and low aging. Available with tight calibration tolerances and high stability over temperature, this crystal is well suited for applications that have a space restraint and require a crystal with a low profile.

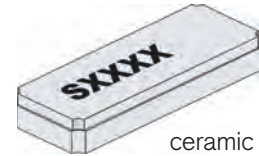
### FEATURES

- Ultra-miniature, surface mount design
- Ultra-low profile
- Hermetically sealed ceramic package
- High shock and vibration survival
- Excellent aging characteristics
- Full military testing available
- Designed and manufactured in the USA

### APPLICATIONS

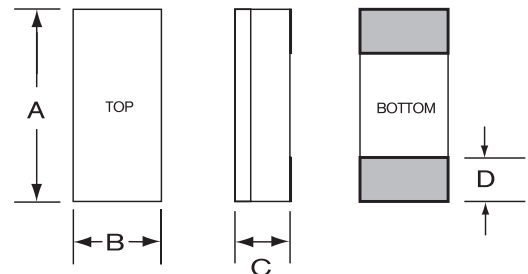
Medical

- Medical Telemetry
- Pacemakers
- Defibrillators
- Neurostimulators
- Infusion Pumps
- Cochlear Implants



ceramic lid

### PACKAGE DIMENSIONS



| DIM | TYPICAL |      | MAXIMUM   |      |
|-----|---------|------|-----------|------|
|     | inches  | mm   | inches    | mm   |
| A   | 0.127   | 3.20 | 0.135     | 3.43 |
| B   | 0.060   | 1.50 | 0.068     | 1.73 |
| C   | -       | -    | see below |      |
| D   | 0.028   | 0.71 | 0.037     | 0.94 |

### THICKNESS (DIM C)

| Lid     | Termination | Typical |      | Maximum |      |
|---------|-------------|---------|------|---------|------|
|         |             | inches  | mm   | inches  | mm   |
| Ceramic | SM1         | 0.020   | 0.51 | 0.023   | 0.59 |
|         | SM2/SM4     | 0.021   | 0.53 | 0.024   | 0.61 |
|         | SM3/SM5     | 0.022   | 0.56 | 0.025   | 0.64 |

### SUGGESTED LAND PATTERN

