

**DESCRIPTION**

Designed and manufactured in the USA, Statek's CX9SM AT quartz crystal is the newest device available in frequencies ranging from 13.5 MHz to 250 MHz. This device has been specifically designed for applications requiring a very small foot print and low profile. It is 4.1 mm x 1.5 mm with a height under 1 mm. Using micro-machining processes, this surface-mountable crystal is hermetically sealed within an ultra-miniature ceramic package to ensure high stability and low aging. Tight calibration and excellent frequency/temperature stability make the CX9SM ideally suited for many high frequency applications.

**FEATURES**

- Low profile (less than 1 mm)
- High shock and vibration survival
- Ultra-miniature, surface mount design
- Available with glass or ceramic lid
- Hermetically sealed ceramic package
- Excellent aging characteristics
- Designed for low power applications
- Full military testing available
- Designed, manufactured and tested in the USA

**APPLICATIONS**

**Medical**

- Medical RF Telemetry
- Cardiac Rhythm Management
- Cochlear Implants
- Infusion Pump

**Industrial & Communications**

- Down-hole Data Recorder
- Process Control
- Environmental Control
- Telemetry
- Ruggedized Instrumentation

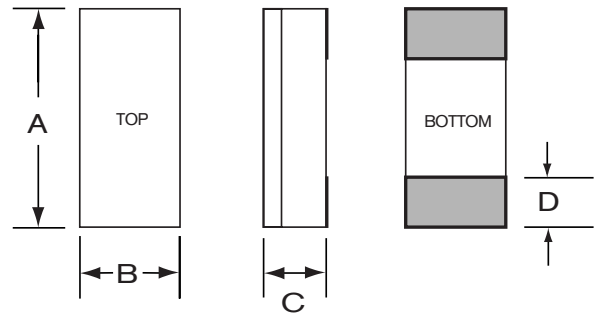
**Military & Aerospace**

- Smart Munitions
- Missile Telemetry
- Ruggedized Communications
- Aviation Equipment



ceramic lid

**PACKAGE DIMENSIONS**



DIM	TYPICAL		MAXIMUM	
	inches	mm	inches	mm
A	0.160	4.10	0.170	4.32
B	0.060	1.50	0.068	1.73
C	-	-	see below	
D	0.031	0.79	0.038	0.97

**THICKNESS (DIM C) MAXIMUM**

	CERAMIC		GLASS	
	inches	mm	inches	mm
SM1	0.035	0.90	0.034	0.87
SM2/SM4	0.035	0.90	0.034	0.87
SM3/SM5	0.037	0.94	0.036	0.91