



CX9VSM CRYSTAL

32 kHz to 250 kHz

Ultra-Miniature, Low Profile
Surface Mount Quartz Crystal

DESCRIPTION

Designed and manufactured in the USA, the CX9V quartz crystal is available in frequencies from 32 kHz to 250 kHz. Using micro-machining processes, this surface-mountable crystal is hermetically sealed within a ultra-miniature ceramic package to ensure high stability and low aging. Tight calibration and custom laser tuning make the CX9V ideally suited for all low frequency applications.

FEATURES

- Ultra-miniature, surface mount design (4.1 mm x 1.5mm)
- Low profile (typically 0.80mm)
- Available with glass or ceramic lid
- Hermetically sealed ceramic package
- High shock and vibration survival
- Excellent aging characteristics
- Designed for low power applications
- Full military testing available
- Designed and manufactured in the USA

APPLICATIONS

Medical

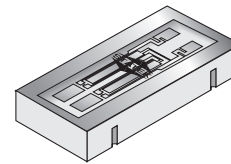
- Pacemaker, defibrillator, and other implantables
- Medical instruments

Industrial, Computer, & Communications

- Smart card
- Down hole instrumentation
- Transponder / Animal migration
- Process instrumentation

Military & Aerospace

- Airborne hybrid
- Navigational computer
- Real time clock

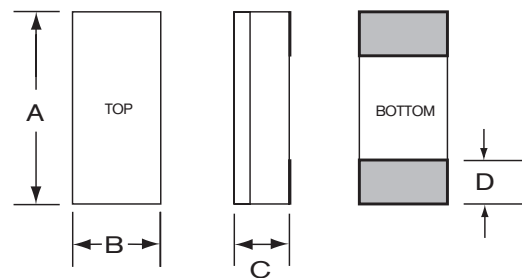


Glass Lid



Ceramic Lid

PACKAGE DIMENSIONS

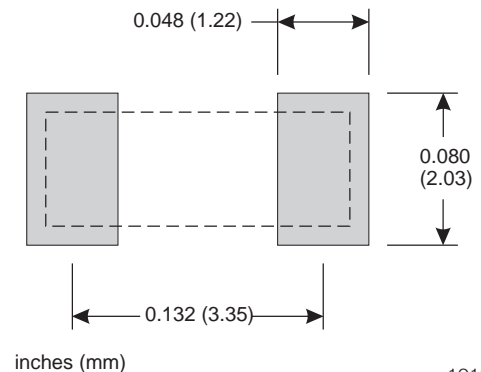


DIM	TYP.		MAX.	
	inches	mm	inches	mm
A	0.160	4.10	0.170	4.32
B	0.060	1.50	0.068	1.73
C	-	-	see below	
D	0.031	0.79	0.038	0.97

THICKNESS (DIM C) MAXIMUM

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

SUGGESTED LAND PATTERN



10157 - Rev D

