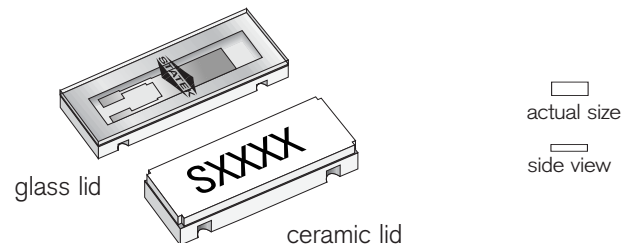


CX4SM AT CRYSTAL

14 MHz to 250 MHz
Ultra-Miniature, Low Profile
Surface Mount AT Quartz Crystal

DESCRIPTION

STATEK's ultra-miniature CX4SM AT crystals in leadless ceramic packages are designed for surface mounting on printed circuit boards or hybrid substrates. These crystals are low profile and have a very small land pattern.



FEATURES

- Designed for surface mount applications using infrared, vapor phase, wave solder or epoxy mount techniques.
- Low profile (less than 1.2 mm) hermetically sealed ceramic package
- Excellent aging characteristics
- Available with glass or ceramic lid
- High shock and vibration resistance
- Custom designs available
- Full military testing available
- Designed and manufactured in the USA

APPLICATIONS

Medical

- Neurostimulators
- Cochlear Implants
- Implantable CRM
- Infusion Pumps
- Glucose Monitors

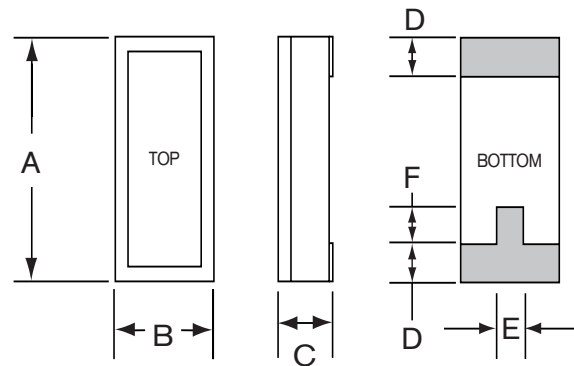
Industrial, Computer & Communications

- Instrumentation
- Process Control
- Environmental Control
- Engine Control
- Handheld Inventory Control
- Down-hole Data Recorder
- Telemetry

Military & Aerospace

- Communications Radio
- Smart Munitions
- Timing Devices (Fuzes)
- Surveillance Devices

PACKAGE DIMENSIONS



DIM	TYPICAL		MAXIMUM	
	inches	mm	inches	mm
A	0.197	5.00	0.210	5.33
B	0.072	1.83	0.085	2.16
C	-	-	see below	
D	0.036	0.91	0.046	1.16
E	0.020	0.51	-	-
F	0.025	0.64	-	-

THICKNESS (DIM C) MAXIMUM

	GLASS LID		CERAMIC LID	
	inches	mm	inches	mm
SM1	0.045	1.14	0.050	1.27
SM2/SM4	0.046	1.17	0.051	1.30
SM3/SM5	0.048	1.22	0.053	1.35