



# CX11VSM CRYSTAL

32 kHz to 180 kHz

Surface Mount Quartz Crystal

## DESCRIPTION

Designed and manufactured in the USA, Statek's CX11VSM tuning-fork quartz crystal has an extremely small footprint (3.2 mm x 1.5 mm) and a very low profile (under 1 mm). For applications where space or mass are a premium, the small size and low mass of the CX11VSM make it the ideal choice.

## FEATURES

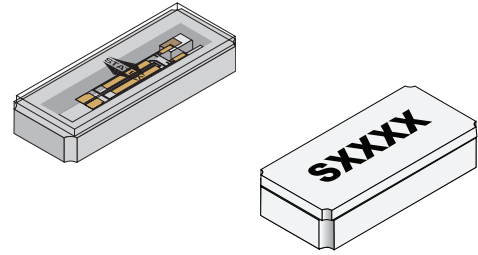
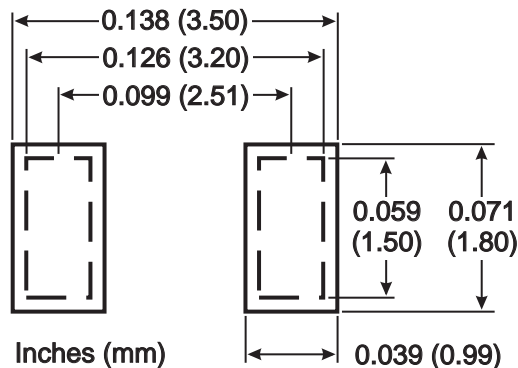
- Ultra-miniature
- Low profile (less than 1 mm)
- Low mass (12 mg for SM1 with ceramic lid)
- Surface mount
- Available with ceramic or glass lid
- High shock and vibration survival
- Excellent aging characteristics
- Ideal for low power applications
- Full military testing available
- Designed and manufactured in the USA

## APPLICATIONS

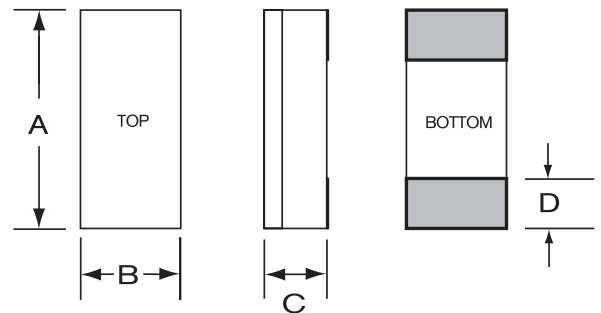
Medical

- CRM
- Infusion pumps
- Diabetes Control

## SUGGESTED LAND PATTERN



## 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	0.027	0.69	0.037	0.94

## THICKNESS (DIM C)

Lid	Termination	Typical		Maximum	
		inches	mm	inches	mm
Ceramic	SM1	0.030	0.77	0.035	0.90
	SM2/SM4	0.031	0.79	0.036	0.92
	SM3/SM5	0.033	0.84	0.038	0.97
Glass	SM1	0.029	0.74	0.034	0.87
	SM2/SM4	0.030	0.77	0.035	0.89
	SM3/SM5	0.032	0.81	0.037	0.94
Thin Glass	SM1	0.025	0.64	0.030	0.77
	SM2/SM4	0.026	0.66	0.031	0.79
	SM3/SM5	0.028	0.71	0.033	0.84

## TERMINATIONS

Designation	Termination
SM1	Gold Plated
SM2	Solder Plated
SM3	Solder Dipped
SM4	Solder Plated (Lead Free)
SM5	Solder Dipped (Lead Free)