

#### Customer Part:

#### Description

- This product is designed and manufactured by Statek Corporation in California, USA and distributed by IQD. A 3.2 x 1.5mm low profile tuning-fork quartz crystal.
- Ceramic lid SM1 (Gold Plated, RoHS compliant)
- Model CX11V TF-C SM1
- Model Issue number 1
- Please note that all data is only valid at 25°C unless otherwise stated.

#### Frequency Parameters

- Frequency 32.7680kHz
- Frequency Tolerance  $\pm 20.00\text{ppm}$
- Tolerance Condition @ 25°C
- Operating Temperature Range -55.00 to 125.00°C
- Overtone Order Fundamental
- Ageing  $\pm 3\text{ppm}$  max in 1st year
- The crystal frequency (f) as a function of temperature (T) follows the parabolic relationship:  
 $f(T) = f(T_0)[1 + k(T - T_0)^2]$   
 Where  $T_0$  is the turnover temperature and k is the frequency stability coefficient
- Frequency Stability Coefficient (k):  $-0.035\text{ppm}/^\circ\text{C}^2$

#### Electrical Parameters

- Load Capacitance (CL) 9.00pF
- Shunt Capacitance (C0) 1pF typ @ 32.7680kHz
- Drive Level 0.5μW max

#### Environmental Parameters

- Shock: 5000G, 0.3ms, 1/2 sine
- Vibration: 20G, 10-2000Hz swept sine
- Storage Temperature Range: -55 to 125°C

#### Manufacturing Details

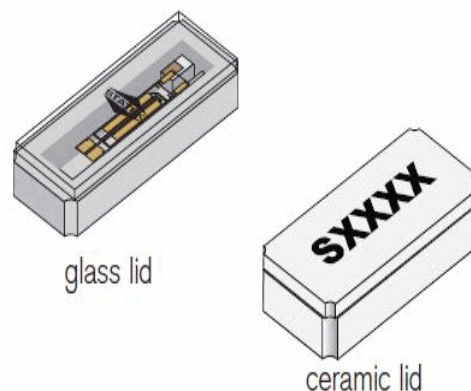
- Maximum Process Temperature: 260°C for 20 sec

#### Compliance

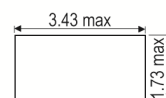
- RoHS Status (2015/863/EU) Optional
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

#### Packaging Details

- Pack Style: Tray Tray pack
- Pack Size: 1
- *Alternative packing option available*

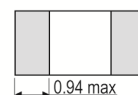


#### Outline (mm)



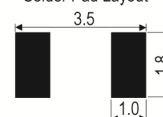
Height (H) = Ceramic Glass Thin-Glass

	Lid	Lid	Lid
SM1	0.90	0.87	0.77
SM2/SM4	0.92	0.89	0.79
SM3/SM5	0.97	0.94	0.84



Underside View

#### Solder Pad Layout



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