

ISSUE 3; July 2016

Description

- 3.2 x 1.5mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed
Suitable for real time clock applications

Frequency Parameters

- Frequency 32.768kHz
- Frequency Tolerance ±20.00ppm
- Tolerance Condition @ 25°C ±5°C
- Ageing ±3ppm max first year at 25°C

Electrical Parameters

- Load Capacitance (CL) 12.5pF
- Shunt Capacitance (C0) 1.05pF typical
- Drive Level 1µW max

Operating Temperature Ranges

- 40 to 85°C

Environmental Parameters

- Operable Temperature Range: -40 to 85°C
- Storage Temperature Range: -55 to 125°C
- Drop: 100g dummy, 150cm drop (3 directions x 10 times) onto concrete
- Vibration: 1.5mm amplitude, 10Hz-500Hz, full sine wave or acceleration 10G, 1.5mins in 3 mutually perpendicular planes, duration 2hrs each plane

Ordering Information

- Frequency*
Model*
Frequency Tolerance (@ 25°C)*
Load Capacitance*
(*minimum required)
- Example:
32.7680kHz CFPX-217
20/-/12.5

Compliance

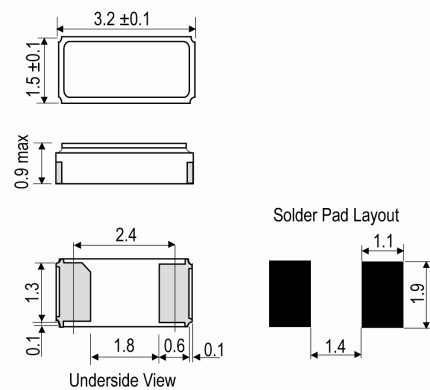
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

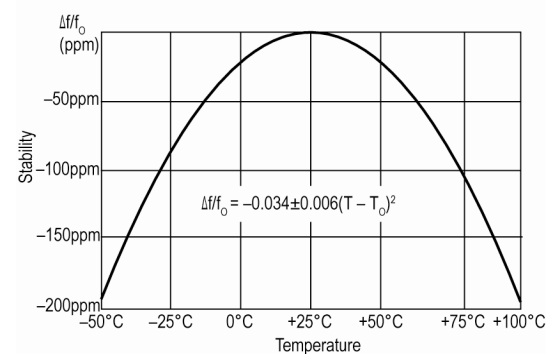
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
Pack Size: 3,000
- Pack Style: Cutt In tape, cut from a reel
Pack Size: 1



Outline (mm)



Typical Frequency Stability Characteristics



Sales Office Contact Details:

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Electrical Specification - maximum limiting values

Frequency	Temperature Range	Stability	Over Tone Order	ESR
	°C	ppm		Ω
32.768000kHz	-40 to 85	-	Fundamental	80,000

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