

**Customer Part:**

**Description**

- 3.2 x 1.5mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model CFPX-217
- Model Issue number 5

**Frequency Parameters**

- Frequency 32.7680kHz
- Frequency Tolerance  $\pm 20.00\text{ppm}$
- Tolerance Condition @ 25°C  $\pm 5^\circ\text{C}$
- Overtone Order Fundamental
- Ageing  $\pm 3\text{ppm}$  max in 1st year @ 25°C

**Electrical Parameters**

- Load Capacitance (CL) 12.50pF
- Shunt Capacitance (C0) 1.05pF typical
- Drive Level 1μW max
- ESR 70.00kΩ max

**Environmental Parameters**

- Storage Temperature Range:  $-55$  to  $125^\circ\text{C}$
- 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

**Manufacturing Details**

- RoHS Terminations NiAu
- RoHS Reflow Temp  $260^\circ\text{C}$  max for 10s max

**Compliance**

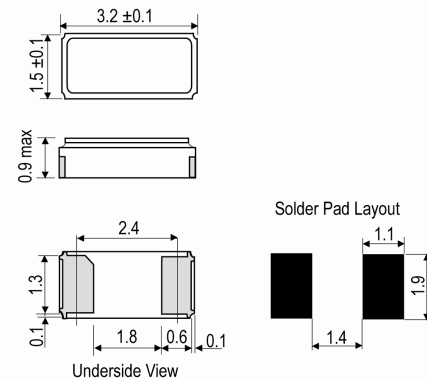
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**Packaging Details**

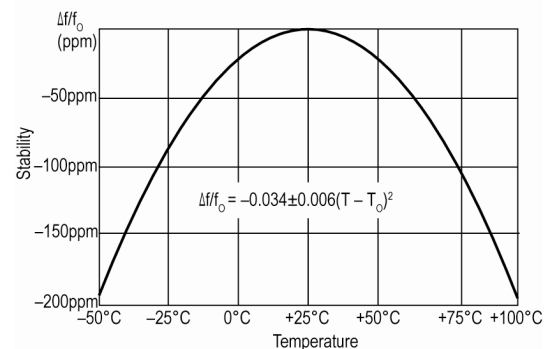
- Pack Style: Reel Tape & reel in accordance with EIA-481-D  
Pack Size: 3,000
- Alternative packing option available



**Outline (mm)**



**Typical Frequency Stability Characteristics**



**Sales Office Contact Details:**

UK: +44 (0)1460 270200  
Germany: 0800 1808 443

France: 0800 901 383  
USA: +1.760.318.2824

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)  
Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)