

## 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 6

### 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) 7.00pF
- Shunt Capacitance (C0) 1.0pF typical
- Drive Level 1.0μW max
- ESR 70.00kΩ max

### Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Drop: 100g dummy, 150cm drop (3 directions x 10 times) onto concrete
- Vibration: 1.5mm amplitude, 10Hz-60Hz with cycle time 2-3 minutes in 3 directions (X, Y and Z axis) each for 2 hours  
\*Measure after 2 hours left at room temperature

### Manufacturing Details

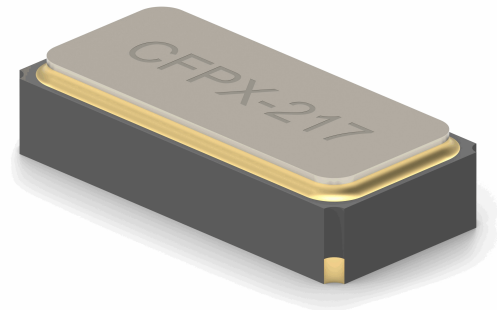
- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max for 10s max

### Compliance

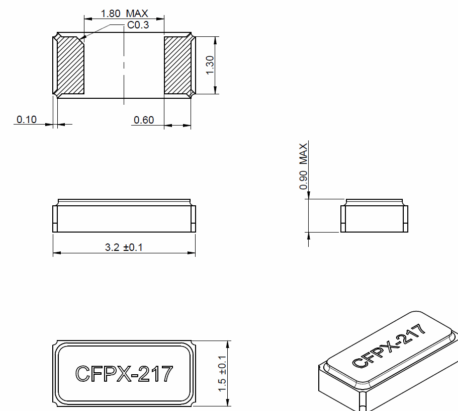
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

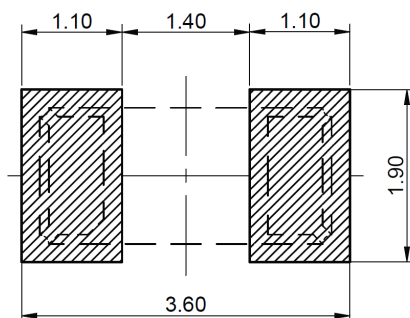
- Tape & reel in accordance with EIA-481  
Quantities below the standard reel size to be supplied on cut tape.  
Standard Quantity: 3,000 Pieces



### Outline (mm)



### Recommended Solder Pad Layout



## Sales Office Contact Details:

UK: +44 (0)1460 270200

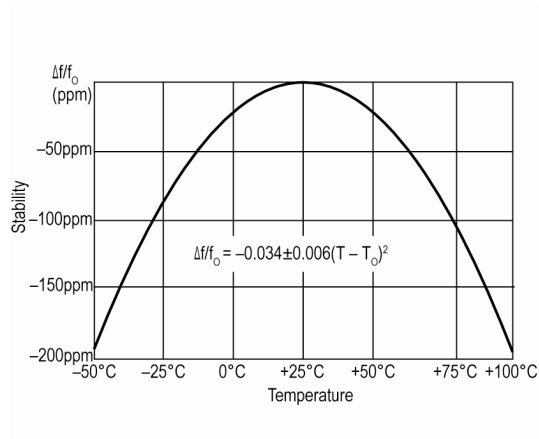
USA: +1.760 668 8935

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)

Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)

## Customer Part:

## Typical Frequency Stability Characteristics



## Sales Office Contact Details:

UK: +44 (0)1460 270200

USA: +1.760 668 8935

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