

## Customer Part:

### Description

- Standard 5x3.2mm SMD crystal with four pads.  
Ceramic package with a seam sealed metal lid, hermetically sealed.
- Model CFPX-104
- Model Issue number 11

### Frequency Parameters

- Frequency 12.0MHz
- Frequency Tolerance  $\pm 50.00\text{ppm}$
- Tolerance Condition @25°C
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range -10.00 to 60.00°C
- Overtone Order Fundamental
- Ageing  $\pm 3\text{ppm max per year @25°C}$

### Electrical Parameters

- Load Capacitance (CL) 18.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100µW max
- ESR 90.00Ω max

### Environmental Parameters

- Shock: 1500g, 0.5ms, 3 times in each of 3 mutually perpendicular planes.
- Vibration: MIL-STD-883F, 20g (20Hz~2000Hz), 1.52mm amplitude, 20 minutes in 3 mutually perpendicular planes, 4 cycles.
- Storage Temperature Range: -55 to 125°C

### Manufacturing Details

- RoHS Terminations Au 0.3µm~1.0µm
- RoHS Reflow Temp 260°C max for 30 seconds

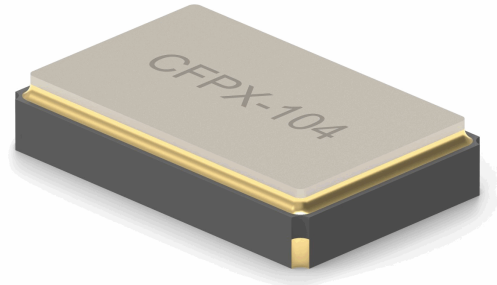
### Compliance

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

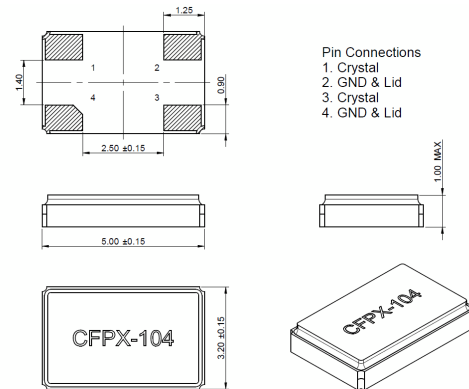
### Packaging Details

- Tape & reel in accordance with EIA-481  
Quantities below the standard reel size to be supplied on cut tape.

Standard Pack Quantity: 1,000

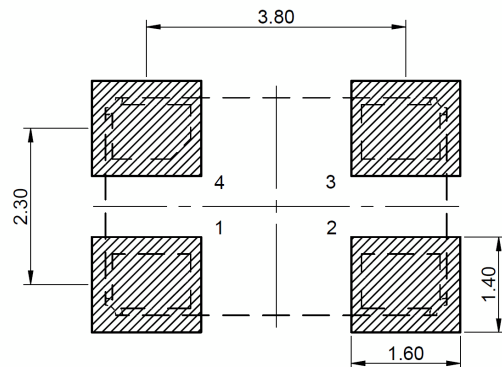


### Outline (mm)



NOTE: The chamfer may appear on pad 1 or 4.  
This causes no change to the electrical performance of the device.

### Recommended Solder Pad Layout



## Sales Office Contact Details:

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