

## Customer Part:

### Description

- Standard 3.2 x 2.5mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model CFPX-180
- Model Issue number 13

### Frequency Parameters

- Frequency 24.0MHz
- Frequency Tolerance  $\pm 20.00\text{ppm}$
- Tolerance Condition @25°C
- Frequency Stability  $\pm 30.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm}$  max per year @25°C

### Electrical Parameters

- Load Capacitance (CL) 12.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100µW max
- ESR 50.00Ω max

### Environmental Parameters

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

### Manufacturing Details

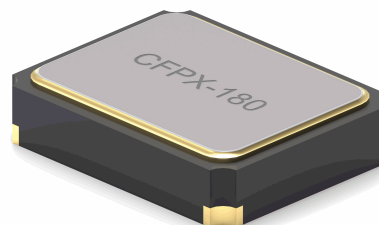
- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max over 10 seconds

### Compliance

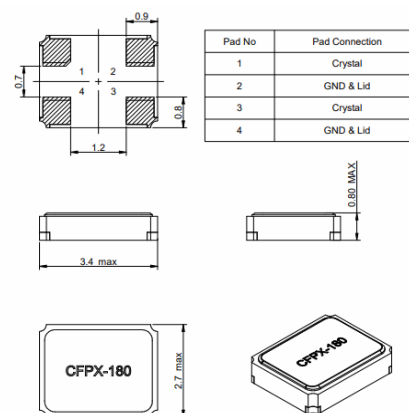
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

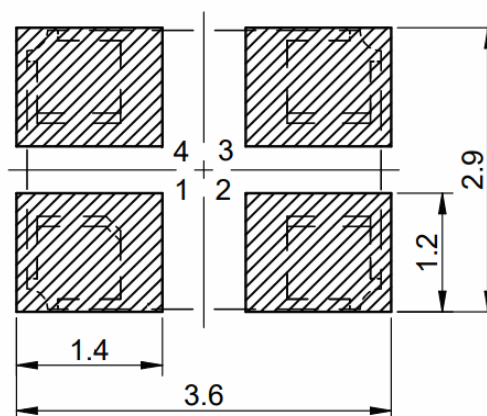
- Tape & reel in accordance with EIA-481
- Quantities below the standard reel size to be supplied on cut tape
- Standard Pack Quantity: 3,000



### Outline (mm)



### Recommended Solder Pad Layout



## Sales Office Contact Details:

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