

### 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 48.0MHz
- Frequency Tolerance  $\pm 10.00\text{ppm}$
- Tolerance Condition @25°C
- Frequency Stability  $\pm 10.00\text{ppm}$
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm}$  max per year @25°C

#### Electrical Parameters

- Load Capacitance (CL) 8.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100µW max
- ESR 35.00Ω 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

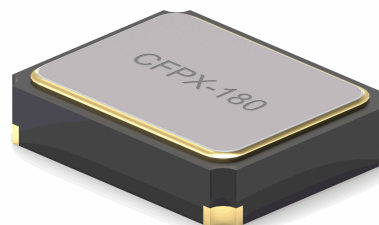
- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max over 10 seconds

#### Compliance

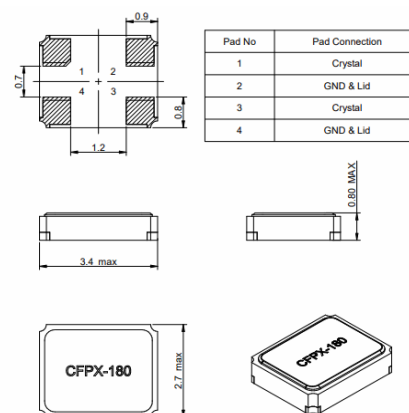
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

#### Packaging Details

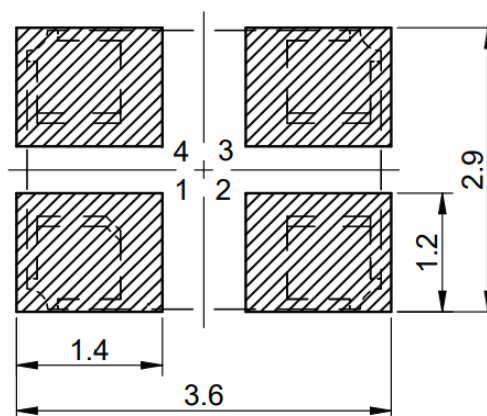
- Tape & reel in accordance with EIA-481
- Quantities below the standard reel size to be supplied on cut tape
- Standard Pack Quantity: 3,000



#### Outline (mm)



#### Recommended Solder Pad Layout



#### Sales Office Contact Details:

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