



### 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 8

### Frequency Parameters

- Frequency 20.0MHz
- Frequency Tolerance  $\pm 50.00$ ppm
- Tolerance Condition @ 25°C
- Frequency Stability  $\pm 50.00$ ppm
- Operating Temperature Range -10.00 to 60.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5$ ppm max per year @ 25°C

### Electrical Parameters

- Load Capacitance (CL) 16.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100µW max
- ESR 100.00Ω max

### Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine wave
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs)

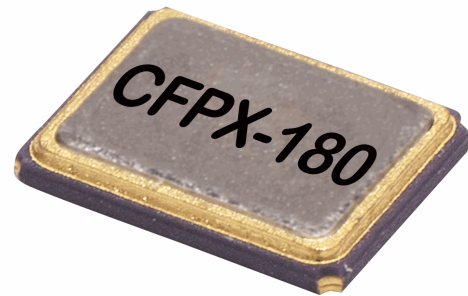
### Compliance

- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

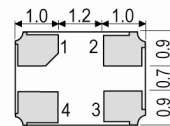
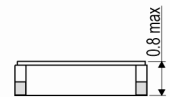
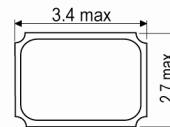
### Packaging Details

- Pack Style: Reel Tape & reel in accordance with EIA-481-D  
Pack Size: 1,000
- Alternative packing option available

*This document is correct at the time of printing; please contact your local office for the latest version.*



### Outline (mm)

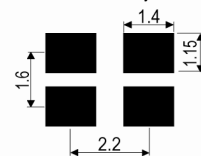


Underside View

### Pad Connections

- Crystal
- GND
- Crystal
- GND

### Solder Pad Layout



### Sales Office Contact Details:

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