

#### Description

- SMD quartz crystal hermetically sealed in a ceramic package with a seam sealed metal lid
- Model CFPX-181
- Model Issue number 7

#### Frequency Parameters

- Frequency 16.0MHz
- Frequency Tolerance  $\pm 10.00\text{ppm}$
- Tolerance Condition @ 25°C
- Frequency Stability  $\pm 15.00\text{ppm}$
- Operating Temperature Range -30.00 to 85.00°C
- Overtone Order Fundamental
- Ageing  $\pm 1\text{ppm}$  max per year @ 25°C

#### Electrical Parameters

- Load Capacitance (CL) 16.00pF
- Shunt Capacitance (C0) 5pF max
- Drive Level 100μW max
- ESR 80.00Ω max

#### Environmental Parameters

- Drop: 75cm drop (3 times) onto hard wooden board
- Vibration: 1.5mm amplitude, 10Hz-55Hz, 1min in 3 mutually perpendicular planes, duration 2hrs each plane
- Storage Temperature Range: -40 to 90°C

#### Compliance

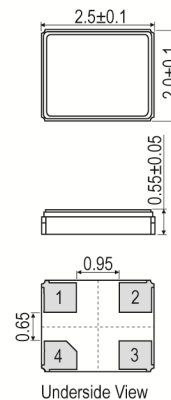
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

#### Packaging Details

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



#### Outline (mm)

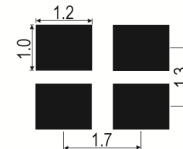


#### Pad Connections

1. Crystal
2. GND
3. Crystal
4. GND

Note: pads 2 and 4 must be connected to GND for proper operation.

#### Solder Pad Layout



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