

## **Quartz Crystal Specification**

Part No.: LFXTAL025159

#### **Customer Part:**

#### Description

 2 x 6mm watch crystal with pre-formed legs to make a SMD package.

Model CFPX-56Model Issue number 7

## **Frequency Parameters**

■ Frequency
 ■ Frequency Tolerance
 ■ Tolerance Condition
 ■ Overtone Order
 32.7680kHz
 ±20.00ppm
 © 25°C
 Fundamental

Ageing ±5ppm max in 1st year

#### **Electrical Parameters**

Load Capacitance (CL) 12.50pF
Shunt Capacitance (C0) 1.6pF typical
Drive Level 1.0μW max
ESR 40.00kΩ max

Motional Capacitance (C1): 3.2fF typ

■ Frequency Stability Coefficient: -0.034ppm/°C² ±0.006ppm/°C²

#### **Environmental Parameters**

Storage Temperature Range: -40 to 85°C

■ High Temperature Storage: 85°C for 24hrs.

Drop: 75cm drop (3 times) onto hard wooden board.

#### **Manufacturing Details**

Suitable for reflow soldering at 245°C max for 10sec max x 1 cycle.

Note: Do not solder the body of the device to any PCB pads.
 Use other bonding methods such as adhesive, sealant, sticky-pads.

RoHS Terminations
 SnAgCu

RoHS Reflow Temp
 245°C for 10secs max

## Compliance

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

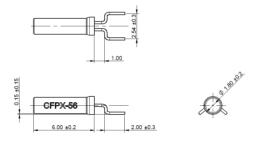
#### **Packaging Details**

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

Standard Quantity: 3,000 Pieces

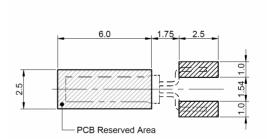


## Outline (mm)





#### Recommended Solder Pad Layout



NOTE: Do not solder the body of this device to any PCB pads. Use other bonding methods such as adhesive sealent, sticky pads.

#### Sales Office Contact Details:

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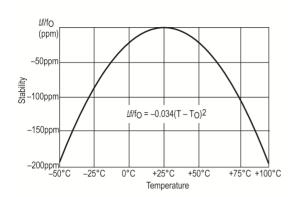


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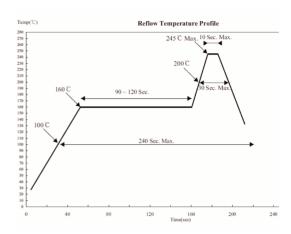
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# **Typical Frequency Stability Characteristics**



#### **Reflow Temperature Profile**



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