IQD Frequency Products
Incorporating IQD FOQ GmbH

Crystal Specification
Model: CFPX-56

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Description
- 2 x 6mm watch crystal with pre-formed legs to make a SMD package.
  Suitable for real time clock applications.

Frequency Range
- Frequency: 32.768kHz
- Frequency Tolerance: ±20ppm

General Specification
- Load Capacitance (CL): 12.5pF Standard
- Drive Level: 1.0µW max
- Ageing: ±5ppm max in 1st year
- Shunt Capacitance (C0): 1.6pF typical

Operable Temperature Range
- -40 to 85°C

Electrical Parameters
- Motional Capacitance (C1): 3.2fF typ
- Frequency Stability Coefficient: -0.034ppm°C² ±0.006ppm°C²

Environmental Parameters
- High Temperature Storage: 85°C for 24hrs
- Drop: 75cm drop (3 times) onto hard wooden board
- Storage Temperature Range: -40 to 85°C

Manufacturing Details
- Suitable for reflow soldering at 245°C max for 10sec max x 1 cycle

Ordering Information (*minimum required)
- Frequency
- Model
- Frequency Tolerance @25°C
- Load Capacitance*
- Example
  32.768kHz CFPX-56
  20/-/-/12.5

Packing Details
- Pack Style: Bulk
  Pack Size: 100
- Pack Style: Reel
  Pack Size: 3,000
- Alternative packing options available

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## Reflow Temperature Profile

![Reflow Temperature Profile Graph](image)

## Electrical Specification - maximum limiting values

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<th>Typical Frequency Stability Coefficient</th>
<th>Temperature Range</th>
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<th>Vibration Mode</th>
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<td>±20ppm</td>
<td>-0.034ppm/°C²</td>
<td>-40 to 85°C</td>
<td>40kΩ</td>
<td>Tuning Fork</td>
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