

ISSUE 15; January 2025

Description

- Through-hole cylinder crystal in a press-sealed metal can, suitable for real time clock applications.
Available in two sizes, 3x8mm and 2x6mm.
Please see our CFPX-56 for an SMD alternative.
- 2X6 -2X6
- Leaded crystal in a press sealed metal can 2 x 6mm
- 3X8 -3X8
- Leaded crystal in a press sealed metal can 3 x 8mm

Frequency Parameters

- Frequency 32.768kHz
- Frequency Tolerance $\pm 10.00\text{ppm}$ to $\pm 20.00\text{ppm}$
- Tolerance Condition @25°C
- Ageing $\pm 5\text{ppm}$ max per year @25°C

Electrical Parameters

- Load Capacitance (CL) 6.0pF to 12.5pF
- Shunt Capacitance (C0) 2.0pF max
- Drive Level 0.1μW typ, 1.0μW max

Operating Temperature Ranges

- 20 to 70°C

Environmental Parameters

- Drop: 75cm drop (3 times) onto hard wooden board
- Operable Temperature Range: -40 to 85°C
- Storage Temperature Range: -40 to 85°C

Ordering Information

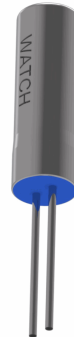
- Frequency*
- Model*
- Variant*
- Frequency Tolerance (@25°C)*
- Load Capacitance*
(*minimum required)
- Example
32.768kHz WATCH-3x8
20/-/+12.5

Compliance

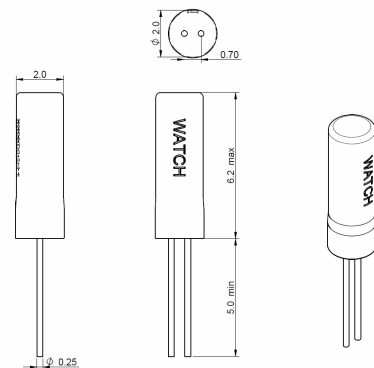
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Bulk pack
Standard Pack Quantity: 1,000

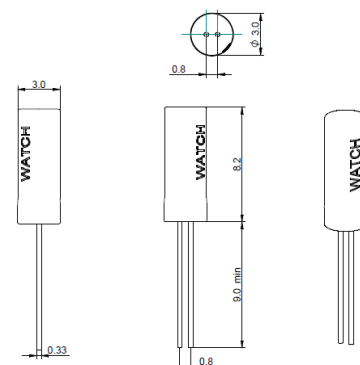


Outline (mm) -2X6 = -2X6



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

Typical Frequency Stability Characteristics



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

Sales Office Contact Details:

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Electrical Specification - maximum limiting values

Frequency	Temperature Range	Stability (Min)	Over Tone Order	ESR
	°C	ppm		Ω
32.768000kHz	-20 to 70	-	Fundamental	40,000

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