

# QUARTZ CRYSTAL MHZ

Part Number: 830105792402 | -B | CFPX-228

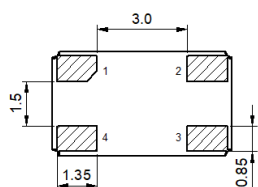
AKA Number: LFX TAL057924



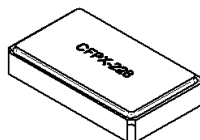
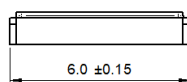
## General Information

Standard 6 x 3.5mm crystal available only in a 4 pad package.  
Ceramic package with a seam sealed metal lid, hermetically sealed.

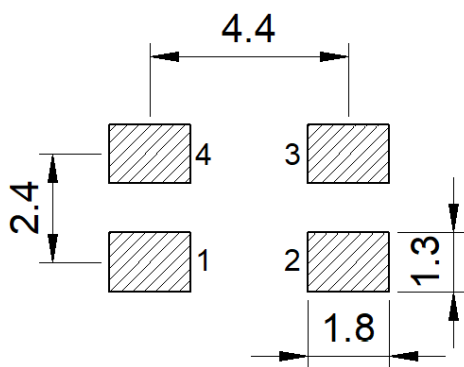
## Dimensions [mm]



| Pad | Pad Connection |
|-----|----------------|
| 1   | Crystal        |
| 2   | GND            |
| 3   | Crystal        |
| 4   | GND            |



## Recommended Land Pattern [mm]



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## Frequency Parameters

|                       |                              |
|-----------------------|------------------------------|
| Frequency             | 10.0 MHz                     |
| Frequency Tolerance   | ± 20 ppm                     |
| Frequency Stability   | ± 20 ppm                     |
| Operating Temperature | -20 °C to 70 °C              |
| Overtone Order        | Fundamental                  |
| Ageing                | ± 3 ppm max per year @ 25 °C |

## Material Parameters

|                                  |                |
|----------------------------------|----------------|
| Moisture Sensitivity Level (MSL) | Not Applicable |
|----------------------------------|----------------|

## Manufacturing Details

260°C max for 10s max

## Company Address

IQD Frequency Products Ltd.  
Station Road  
Crewkerne  
Somerset  
TA18 8AR, United Kingdom

## Electrical Parameters

|                                        |           |
|----------------------------------------|-----------|
| Load Capacitance <b>C<sub>L</sub></b>  | 18 pF     |
| Shunt Capacitance <b>C<sub>0</sub></b> | 7 pF max. |
| ESR                                    | 45 Ω max. |

## Environmental Parameters

|                                                                                                                                                                                                                                                                                                                                      |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Storage Temperature Range:                                                                                                                                                                                                                                                                                                           | -55 °C to 125 °C |
| <ul style="list-style-type: none"><li>Drop Test: Unit dropped from height of 100cm onto hard wooden plate (&gt;30mm thickness), three times. JIS-C-0044</li><li>Vibration: MIL-STD-883F: 2007.3 Frequency range 20 to 2000Hz, peak amplitude 1.52mm, peak acceleration 20g, 20min/axis X, Y &amp; Z, total test time 4 hrs</li></ul> |                  |

## Technical Standards

|              |                           |
|--------------|---------------------------|
| RoHS Status  | 2015/863/EU - Compliant   |
| REACH Status | (EC)1907/2006 - Compliant |

## Packaging Details

|                          |                      |
|--------------------------|----------------------|
| Packaging SPQ            | Tape & Reel 1000 pcs |
| In tape, cut from a reel |                      |