

# QUARTZ CRYSTAL MHZ

Part Number: 8301100330 | 12SMX-B | 12SMX

AKA Number: LFX TAL100330

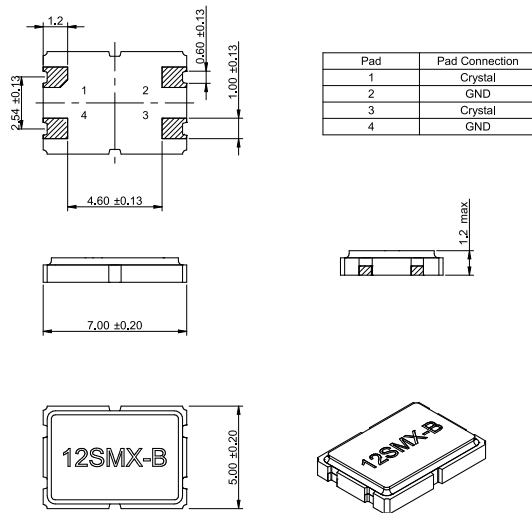


## General Information

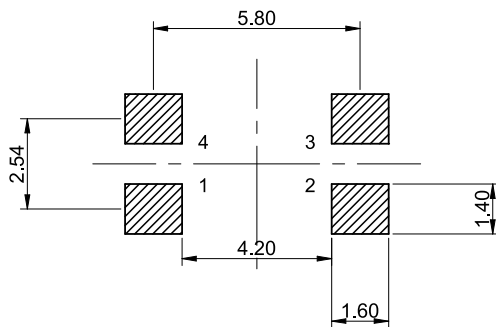
Standard 7.0 x 5.0 mm SMD crystal

B: 4 pad (metal lid) - A ceramic package with a seam sealed metal lid, hermetically sealed.

## Dimensions [mm]



## Recommended Land Pattern [mm]



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AKA Number: LFXTAL100330

## Frequency Parameters

Frequency	8.0 MHz
Frequency Tolerance	± 30 ppm @ 25 °C
Frequency Stability	± 50 ppm
Operating Temperature	-40 °C to 125 °C
Overtone Order	Fundamental
Ageing	± 5 ppm max. first year

## Material Parameters

Termination Finish	Au Ni
Moisture Sensitivity Level (MSL)	Not Applicable

## Manufacturing Details

Reflow: 260 °C max. over 10 seconds max.

## Company Address

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

## Electrical Parameters

Load Capacitance $C_L$	8 pF
Shunt Capacitance $C_0$	7 pF max.
Drive Level	100 µW max.
ESR	80 Ω max.

## Environmental Parameters

Storage Temperature Range: -40 °C to 125 °C

- Drop Test: In accordance with JIS-C0044; The specimen is measured for its frequency and resistance before the test. It is then dropped from a height of 75 cm or more as a free fall object onto a hard wooden plate of 30 mm or more in thickness.
- Vibration Test: MIL-STD-202 Method 204. 5g for 20 minutes, 12 cycles in each of the 3 orientations, 10.0 ~ 2000.0 Hz. As per Table 11 of AEC-Q200.

## Technical Standards

RoHS Status	2015/863/EU - Compliant
REACH Status	Compliant

## Packaging Details

Packaging SPQ	Tape & Reel 1000 pcs
Tape & reel in accordance with EIA-481	
Quantities below the standard reel size to be supplied on cut tape.	