QUARTZ CRYSTAL MHZ

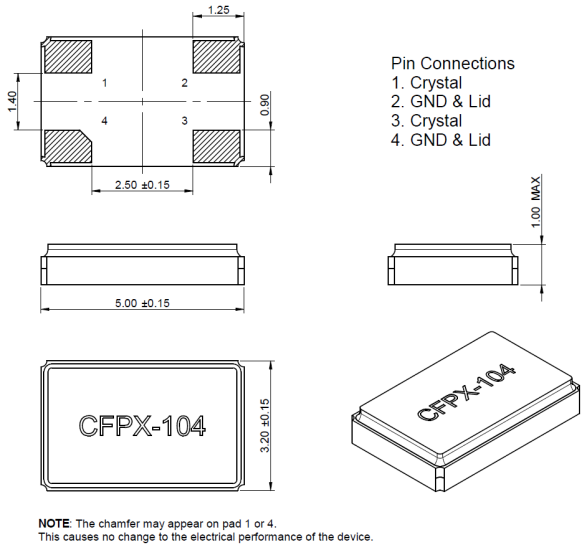
Part Number: 830055901 | CFPX-104

AKA Number: LFXTAL055901

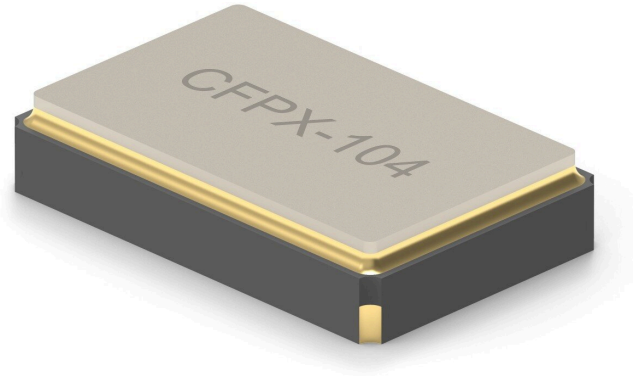
General Information

Standard 5x3.2 mm SMD crystal with four pads. Ceramic package with a seam sealed metal lid, hermetically sealed.

Dimensions [mm]

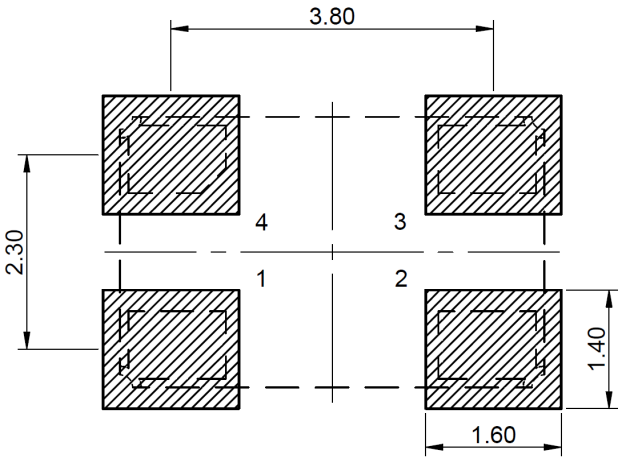


Pin Connections
1. Crystal
2. GND & Lid
3. Crystal
4. GND & Lid



NOTE: The chamfer may appear on pad 1 or 4.
This causes no change to the electrical performance of the device.

Recommended Land Pattern [mm]



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Frequency Parameters

Frequency	8.0 MHz
Frequency Tolerance	± 20 ppm @25°C
Frequency Stability	± 50 ppm
Operating Temperature	-20 °C to 70 °C
Overtone Order	Fundamental
Ageing	± 3 ppm max per year @ 25 °C

Material Parameters

Termination Finish	Au 0.3 µm to 1 µm
Moisture Sensitivity Level (MSL)	Not Applicable

Manufacturing Details

Reflow: 260 °C max for 30 seconds max.

Electrical Parameters

Load Capacitance C_L	18 pF
Shunt Capacitance C_0	7 pF max.
Drive Level	100 µW max.
ESR	150 Ω max.

Environmental Parameters

Storage Temperature Range: -55 °C to 125 °C

- Shock: 1500 g, 0.5 ms, 3 times in each of 3 mutually perpendicular planes.
- Vibration: MIL-STD-883F, 20 g (20 Hz ~ 2000 Hz), 1.52 mm amplitude, 20 minutes in 3 mutually perpendicular planes, 4 cycles.

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.

Company Address

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