QUARTZ CRYSTAL MHZ

Part Number: 830108288709 | IQXC-42

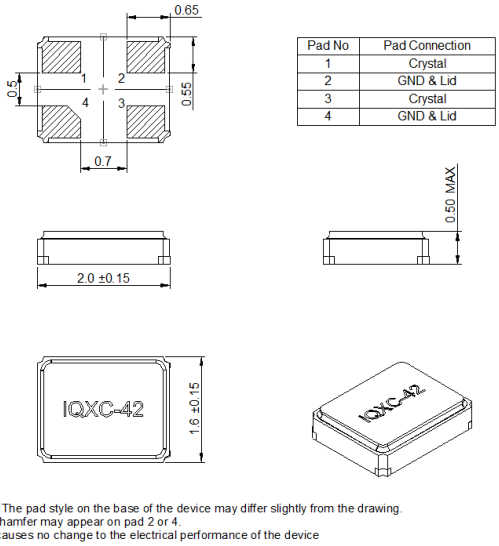
AKA Number: LFXTAL082887

General Information

2 x 1.6mm SMD crystal.

Ceramic package with a seam sealed metal lid, hermetically sealed.

Dimensions [mm]

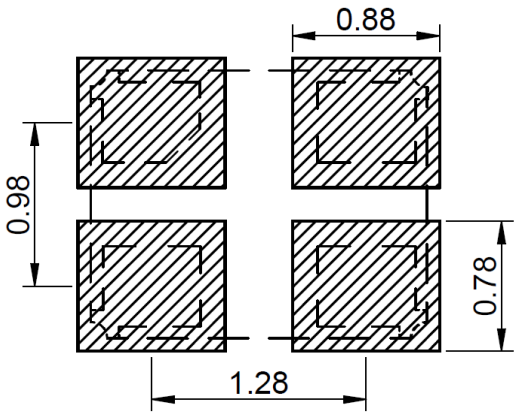


Pad No	Pad Connection
1	Crystal
2	GND & Lid
3	Crystal
4	GND & Lid



Note: The pad style on the base of the device may differ slightly from the drawing.
The chamfer may appear on pad 2 or 4.
This causes no change to the electrical performance of the device

Recommended Land Pattern [mm]



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Frequency Parameters

Frequency	16.0 MHz
Frequency Tolerance	± 10 ppm
Frequency Stability	± 30 ppm
Operating Temperature	-40 °C to 105 °C
Overtone Order	Fundamental
Ageing	± 3 ppm max. first year

Material Parameters

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

Manufacturing Details

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

Electrical Parameters

Load Capacitance C_L	10 pF
Shunt Capacitance C_0	3 pF max.
Drive Level	100 µW max.
ESR	200 Ω max.

Environmental Parameters

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

- Vibration (MIL-STD-202 Method 204): Frequency: 10 - 55 Hz. Amplitude: 0.7 - 0.9 mm pk-pk. Sweep: 1 minute. Duration: 2 hours in each of 3 mutually perpendicular direction.
- Shock Test (MIL-STD-202 Method 213. Condition C): Half-sine shock pulse peak acceleration of 100 g ; pulse duration of 6 ms.

Technical Standards

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

Packaging Details

Packaging SPQ	Tape & Reel 3000 pcs

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

Company Address

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