QUARTZ CRYSTAL MHZ

Part Number: 830026384 | -B | 12SMX

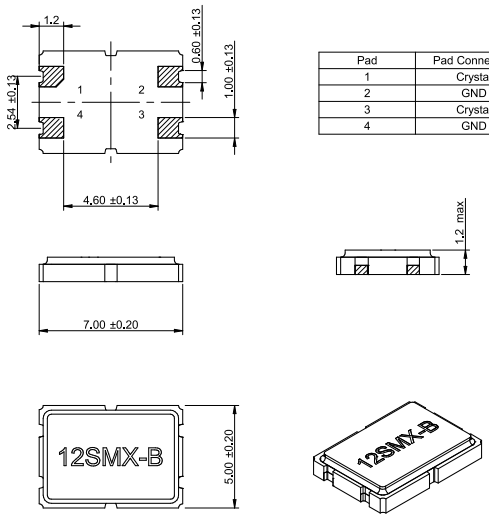
AKA Number: LFXTAL026384

General Information

Standard 7 x 5mm SMD crystal.

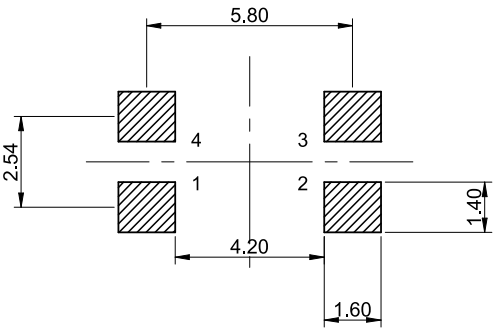
B: 4 pad (metal lid) - A ceramic package with a seam sealed metal lid, hermetically sealed.

Dimensions [mm]



Pad	Pad Connection
1	Crystal
2	GND
3	Crystal
4	GND

Recommended Land Pattern [mm]



Frequency Parameters

Frequency	12.0 MHz
Frequency Tolerance	± 30 ppm
Frequency Stability	± 50 ppm
Operating Temperature	-20 °C to 70 °C
Overtone Order	Fundamental
Ageing	± 5 ppm max. first year

Material Parameters

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

Manufacturing Details

Reflow: 260 °C max over 10 seconds.

Electrical Parameters

Load Capacitance C_L	16 pF
Shunt Capacitance C_0	7 pF max.
Drive Level	100 µW max.
ESR	60 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. 5 g for 20 minutes, 12 cycles in each of the 3 orientations, 10 - 2000 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.

Company Address

IQD Frequency Products Ltd.
Station Road
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