

QUARTZ CRYSTAL MHZ

Part Number: 8301100331 | 12SMX-B | 12SMX

AKA Number: LFX TAL100331

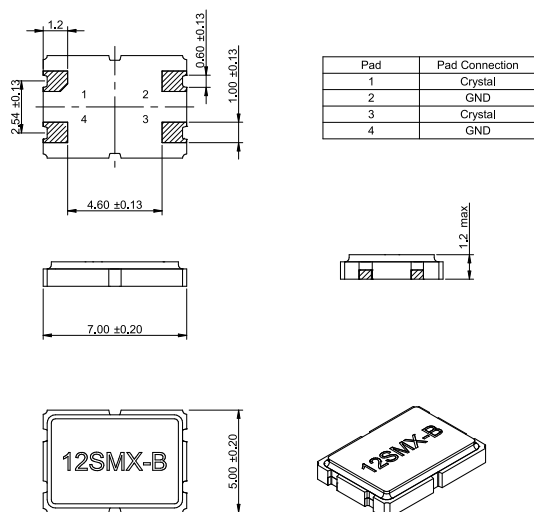


General Information

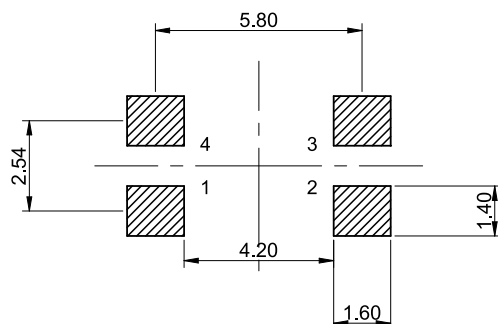
Standard 7.0 x 5.0 mm SMD crystal

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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Frequency Parameters

Frequency	10.0 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 F
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. 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.	