

QUARTZ CRYSTAL MHZ

Part Number: 8301095065 | 12SMX-B | 12SMX

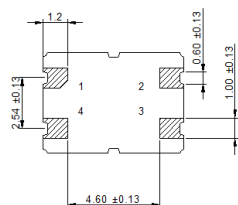
AKA Number: LFX TAL095065



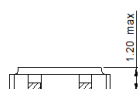
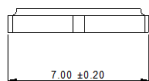
General Information

Standard 7.0 x 5.0 mm SMD crystal

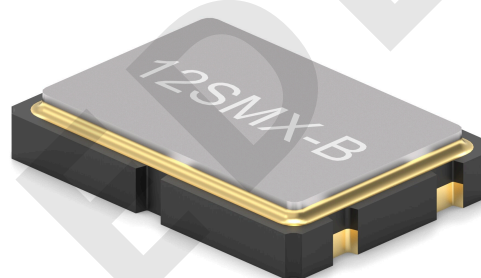
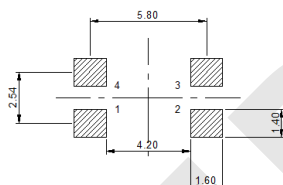
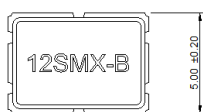
Dimensions [mm]



Pad	Pad Connection
1	Crystal
2	GND
3	Crystal
4	GND



Recommended Solder Pad Layout



Frequency Parameters

Frequency	11.05920 MHz
Frequency Tolerance	± 50 ppm
Frequency Stability	± 100 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.

Electrical Parameters

Load Capacitance C_L	8 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, 10.0 ~ 2000.0 Hz. As per Table 11 of AEC-Q200.

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Technical Standards

RoHS Status 2015/863/EU - Compliant

REACH Status (EC)1907/2006 - 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

SUPERSEDED