

Part Number: 830016178 | 85SMX

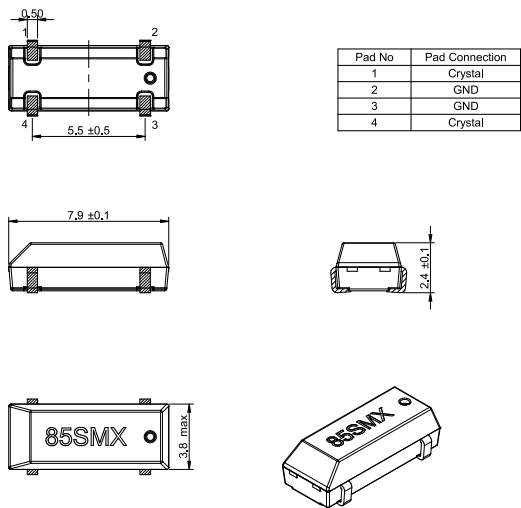
AKA Number: LFX TAL016178



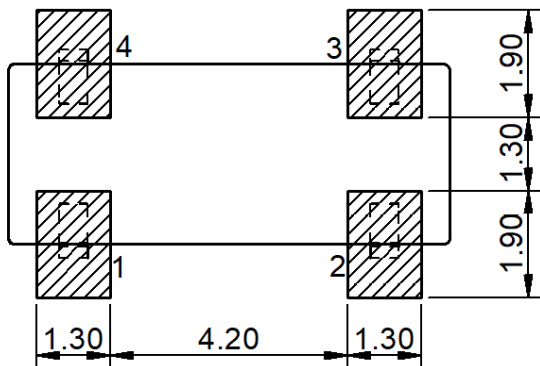
General Information

Industry standard SMD package with 5.5 mm lead spacing.
Suitable for real time clock applications.
Plastic encapsulated.

Dimensions [mm]



Recommended Land Pattern [mm]



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Frequency Parameters

Frequency	32.7680 kHz
Frequency Tolerance	± 20 ppm
Operating Temperature	-40 °C to 85 °C
Overtone Order	Fundamental
Ageing	± 5 ppm max in first year @25 °C

Material Parameters

Termination Finish	Ag Sn
Moisture Sensitivity Level (MSL)	Not Applicable

Manufacturing Details

- Reflow: 260 °C max over 10 seconds max.
- Not suitable for use with ultrasonic cleaning techniques.

Electrical Parameters

Load Capacitance CL	6 pF
Shunt Capacitance CO	1 pF typ. 2.5 pF max.
Drive Level	1 µW max.
ESR	50000 Ω max.

Environmental Parameters

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

- Drop: 75 cm drop (3 times) onto hard wooden board
- Vibration: 1.5 mm amplitude, 10 Hz-60 Hz, 2-3 mins in 3 mutually perpendicular planes, duration 2 hrs each plane

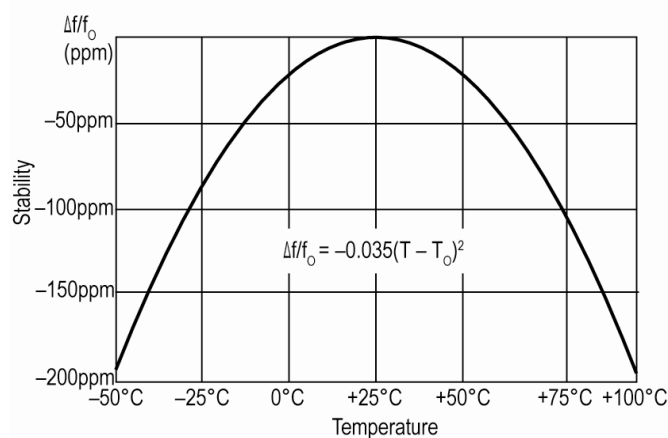
Technical Standards

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.

Stability vs. Temperature

Company Address

IQD Frequency Products Ltd.

Station Road

Crewkerne

Somerset

TA18 8AR, United Kingdom