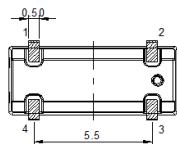




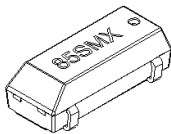
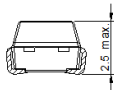
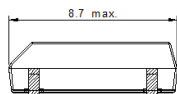
General Information

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

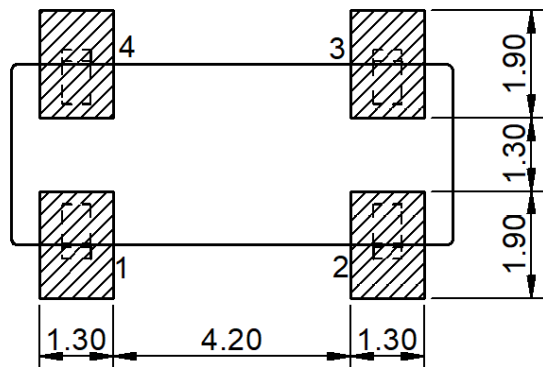
Dimensions [mm]



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



Recommended Land Pattern [mm]



Part Number: 830003000 | 85SMX

AKA Number: LFX TAL003000

Frequency Parameters

Frequency	32.7680 kHz
Frequency Tolerance	± 20 ppm max @ 25 °C
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

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

Electrical Parameters

Load Capacitance C_L	12.5 pF
Shunt Capacitance C_0	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

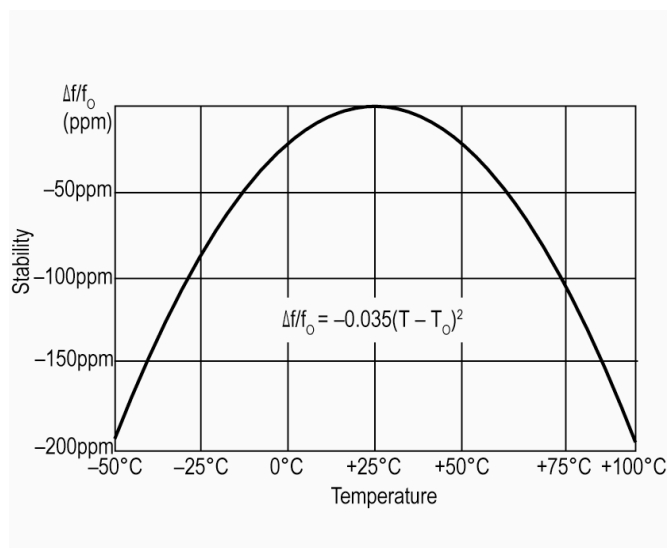
RoHS Status	2015/863/EU - Compliant
REACH Status	Compliant

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



Part Number: 830003000 | 85SMX

AKA Number: LFX TAL003000

Company Address

IQD Frequency Products Ltd.

Station Road

Crewkerne

Somerset

TA18 8AR, United Kingdom