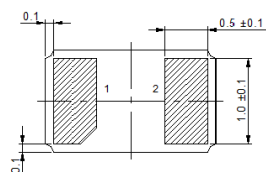


General Information

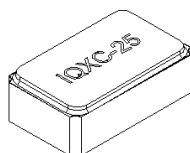
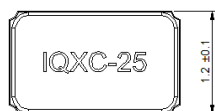
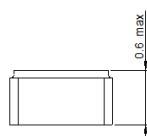
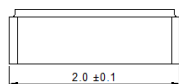
2.0 x 1.2 mm SMD crystal in a hermetically sealed ceramic package with an electro-beam sealed metal lid.

Suitable for real time clock applications.

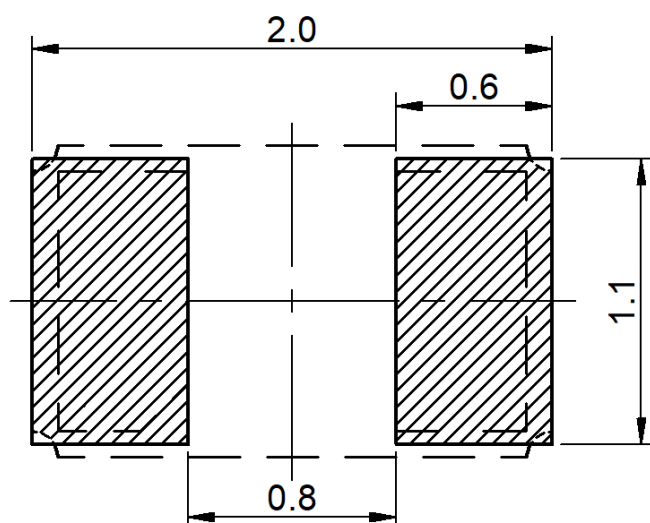
Dimensions [mm]



Pad No	Pad Connection
1	Crystal
2	Crystal



Recommended Land Pattern [mm]



Part Number: 830106545501 | IQXC-25

AKA Number: LFX TAL065455

Frequency Parameters

Frequency	32.7680 kHz
Frequency Tolerance	± 20 ppm @25 °C ±5 °C
Operating Temperature	-40 °C to 85 °C
Overtone Order	Fundamental
Ageing	± 3 ppm max per year @ 25 ° C
Frequency Stability Coefficient:	-0.03 ±0.01ppm/°C²

Material Parameters

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

Manufacturing Details

Reflow: 260 °C max for 5 seconds max.

Electrical Parameters

Load Capacitance CL	6 pF
Shunt Capacitance CO	1.3 pF typ. 1.7 pF max.
Drive Level	0.1 µW recommended 0.5 µW max.
ESR	90000 Ω max.
Motional Capacitance (C1): 6.5 fF typ	

Environmental Parameters

Storage Temperature Range:	-55 °C to 125 °C
- Shock: IEC 60068-2-27: 1000 g, 1 ms, 3 times in each of the 3 mutually perpendicular planes. - Vibration: IEC 60068-2-6: 1.5 mm amplitude, 10 Hz ~ 55 Hz, 1 minute in 3 mutually perpendicular planes for the total of 6 hours (2 hours in each plane).	

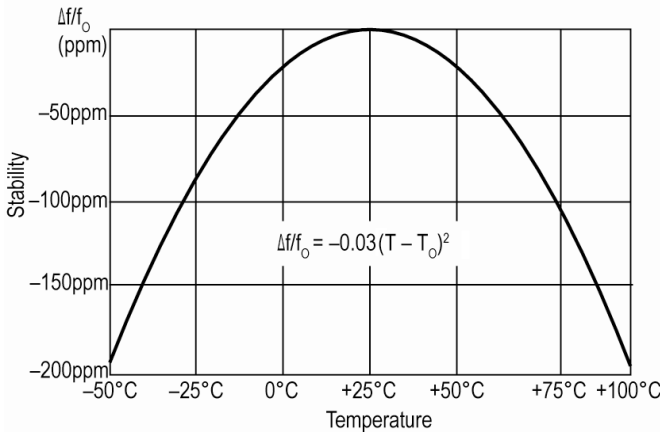
Technical Standards

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: 830106545501 | IQXC-25

AKA Number: LFX TAL065455

Company Address

IQD Frequency Products Ltd.

Station Road

Crewkerne

Somerset

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