Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO060871Bulk***

Description

- Simple package crystal oscillator in a hermetically sealed 14-pin DIL package
- Model IQXO-820
- Model Issue number 1

Frequency Parameters

- Frequency 12.0MHz
- Frequency Stability ±100.00ppm
- Operating Temperature Range -10.00 to 70.00°C
- Ageing ±5ppm max in 1st yr @ 25°C

Electrical Parameters

- Supply Voltage 5.0V ±10%
- Current Draw 20.00mA

Output Details

- Output Compatability HCMOS
- Drive Capability 50pF
- Rise and Fall Time 6.0ns max
- Duty Cycle 45/55%

Output Control

- Start Up Time: 10ms max

Output Levels

- VoH: 90% Vs min
- VoL: 10% Vs max

Noise Parameters

- Phase Jitter (12kHz-20MHz): 1ps rms max

Environmental Parameters

- Shock: 1500G, 0.5ms, 5 times in each of 6 directions, along 3 mutually perpendicular planes
- Vibration: 20G (20Hz-2000Hz), 1.5mm amplitude, cross-over frequency 80Hz, in 3 mutually perpendicular planes
- Storage Temperature Range: -55 to 125°C

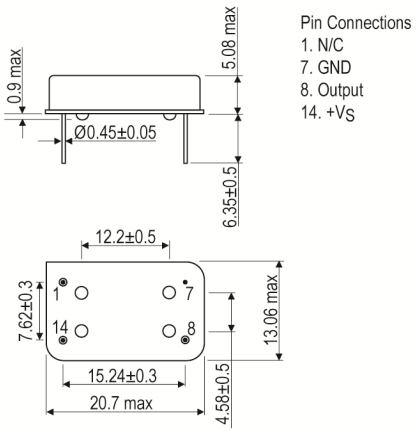
Compliance

- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Bulk Loose in Bulk Pack
  Pack Size: 25
- *Alternative packing option available*

Outline (mm)



Sales Office Contact Details:

UK: +44 (0)1460 270200 France: 0800 901 383 Email: info@iqdfrequencyproducts.com

Germany: 0800 1808 443 USA: +1 408.273.4530 Web: www.iqdfrequencyproducts.com

Downloaded from Arrow.com.