Crystal Clock Oscillator Specification

IQD Part No. + Packaging: LFSPXO082170RL3K

Wurth Part No. ***830208217009***

Description

- Standard 2 x 1.6 crystal oscillator in a ceramic package with a seam sealed metal lid, hermetically sealed
- Model IQXO-542
- Model Issue number 3

Frequency Parameters

- Frequency 19.20MHz
- Frequency Stability ±25.00ppm
- Operating Temperature Range -20.00 to 70.00°C
- Ageing ±5ppm

Electrical Parameters

- Supply Voltage 1.8V ±10%
- Current Draw 3.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 5.0ns max
- Duty Cycle 45/55%
- Start up Time: 10ms max.
  1.1ms typ to 90% of final amplitude (Under ideal conditions @ 25°C)

Output Control

- Standby Operation: Logic '1' (≥70%VS) to pad 1 enables oscillator output
  Logic '0' (≤30%VS) to pad 1 disables oscillator output; when disabled the oscillator output goes to the high impedance state
  No connection to pad 1 enables oscillator output
- Standby Current: 10µA max, 0.6µA typ @ 25°C

Environmental Parameters

- Impact: Weight of 10g dropped to centre of part from a height of 6mm
- Vibration: IEC 60068-2-6: 1.5mm amplitude, 10Hz-55Hz, 1min in 3 mutually perpendicular planes, duration 2hrs each plane (total 6hrs)
- Storage Temperature Range: –40 to 85°C

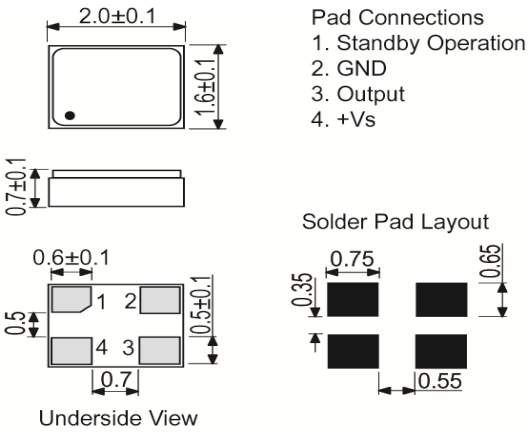
Compliance

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

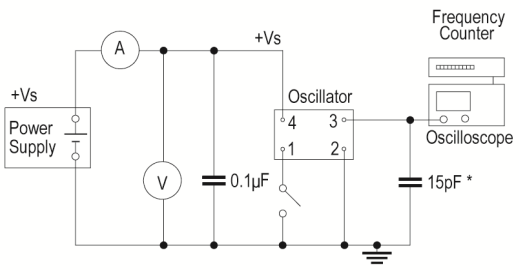
Packaging Details

- Pack Style: RL3K Tape & reel in accordance with EIA-481-D
  Pack Size: 3,000

Outline (mm)



Test Circuit



* Inclusive of jigging and equipment capacitance

CONTACT INFORMATION:
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- *Alternative packing option available*

USEFUL LINKS

Toolbox:

www.we-online.com/toolbox

Product Catalog:

www.we-online.com/products

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