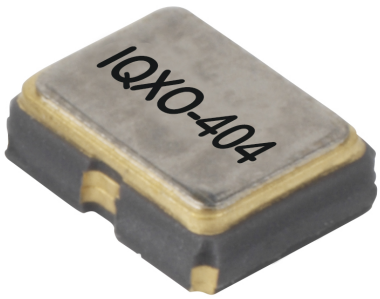
Crystal Clock Oscillator Specification

IQD Part No. + Packaging: LFSPXO073706Reel

Wurth Part No. ***830207370601***

Description

- 32.768kHz miniature 2 x 1.6mm crystal oscillator in an hermetically sealed ceramic package with a seam sealed metal lid.
- Model: IQXO-404
- Model Issue number: 3



Frequency Parameters

- Frequency: 32.7680kHz
- Frequency Stability: ±30.00ppm
- Operating Temperature Range: -40.00 to 85.00°C
- Ageing: ±3ppm max per year @ 25°C

Electrical Parameters

- Supply Voltage: 1.8V ±5%
- Current Draw: 0.200mA

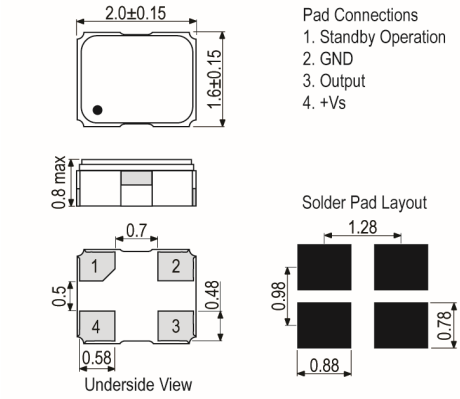
Output Details

- Output Compatibility: CMOS
- Drive Capability: 15pF
- Rise and Fall Time: 100.0ns max
- Duty Cycle: 40/60%

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 @ -40 to 85°C
  20µA max @ -40 to 125°C
- Start-up Time: 10ms max
  0.3ms typ to 90% of final amplitude (under ideal conditions @ 25°C)

Outline (mm)



Environmental Parameters

- Storage Temperature Range: –55 to 125°C
- Shock : 1500G, 0.5ms, 3 times for each surface, total 18 times.
- Vibration: Frequency range: 20~2000Hz, peak to peak amplitude 1.52mm, peak acceleration:20G (196m/s2), 3 directions (X, Y,Z), each cycle: 20min, 4 cycles for each direction.

Manufacturing Details

- RoHS Terminations: Au over Ni
- RoHS Reflow Temp: 260°C max for 10s max

Compliance

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

CONTACT INFORMATION:
Würth Elektronik eiSos GmbH & Co. KG
Max-Eyth-Str. 1, 74638 Waldenburg, Germany
Tel: +49(0) 7942 945-0

Email: eiSos@we-online.de
Web: www.we-online.com

Crystal Clock Oscillator Specification

IQD Part No. + Packaging: LFSPXO073706Reel
Wurth Part No. ***830207370601***

Packaging Details

- Pack Style: Reel Tape & reel in accordance with EIA-481-D
  Pack Size: 3,000
- *Alternative packing option available*

U S E F U L L I N K S

Toolbox:
www.we-online.com/toolbox

Product Catalog:
www.we-online.com/products

CONTACT INFORMATION:
Würth Elektronik eiSos GmbH & Co. KG
Max-Eyth-Str. 1, 74638 Waldenburg, Germany
Tel: +49(0) 7942 945-0

Email: eiSos@we-online.de
Web: www.we-online.com

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

WURTH:

744393665015 810913006 830032817 140816144200 64900221122 687750225002 74437529203220 74438334022 744052002 7443633300 665102131822 71206415 860080275016 714726110106 620307124022 636201040300 64900821122 686124183822 687640141002 560112110239 78438335033HT 784773147 865080457015 830003237 560112110188 74408942330 782963560 810912012 865230657014 971100477