

Description

- Standard 2.5 x 2.0 oscillator in a ceramic package with a hermetically sealed metal lid.
- Model IQXO-793
- Model Issue number 1

Frequency Parameters

- Frequency 24.0MHz
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Ageing $\pm 3\text{ppm}$ max per year

Electrical Parameters

- Supply Voltage $2.5\text{V} \pm 5\%$
- Current Draw 10.000mA

Output Details

- Output Compatibility HCMOS
- Drive Capability 15pF
- Rise and Fall Time 10.0ns max
- Duty Cycle $40/60\%$
- Output Voltage High: 90% of VS min
Output Voltage Low: 10% of VS max
- Output Voltage High: 90% of VS min
Output Voltage Low: 10% of VS max
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Output Voltage Low: 10% of VS max
- Output Voltage High: 90% of VS min
Output Voltage Low: 10% of VS max

Output Control

- Standby Function (pin1):
No Connection = Output Enabled
>70% VS = Output Enabled
<30% VS = Output Disabled
wWhen disabled output goes to high impedance state)
- Start Up Time: 10ms max

Noise Parameters

- Jitter (Period pk-pk): $\pm 80\text{ps}$ typ
- Jitter (Period One Sigma): $\pm 10\text{ps}$ typ
- Jitter (Phase 12kHz to 20MHz): 1ps max

Environmental Parameters

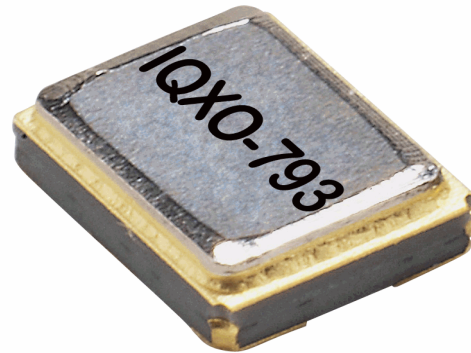
- Storage Temperature Range: -55 to 125°C
- Shock: MIL-STD-202, Method 213. Or comparable.
- Vibration: MIL-STD-883, Method 2007. Or comparable.

Compliance

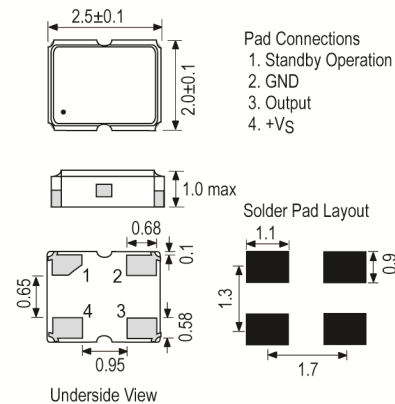
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

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



Outline (mm)



Sales Office Contact Details:

UK: +44 (0)1460 270200

Germany: 0800 1808 443

France: 0800 901 383

USA: +1.760.318.2824

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com