

**Description**

- Standard 2.5 x 2.0 oscillator in a ceramic package with a hermetically sealed metal lid.
- Model IQXO-794
- Model Issue number 1

Frequency Parameters

- Frequency 48.0MHz
- Frequency Tolerance @ 25°C INCLUSIVE
- 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 1.8V
- Supply Voltage Tolerance $\pm 10\%$
- Current Draw 10mA max

Output Details

- Output Compatibility HCMOS
- Output Load 15pF
- Rise and Fall time (10% - 90%) 10.0ns max
- Duty Cycle 40/60%
- 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
(when disabled output goes to high impedance state)
- Start Up Time: 10ms max

Noise Parameters

- Jitter (Period pk-pk): $\pm 100\text{ps}$ max
- Jitter (Period One Sigma): $\pm 25\text{ps}$ max
- Jitter (Phase 12kHz to 20MHz): 1ps max

Environmental Parameters

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

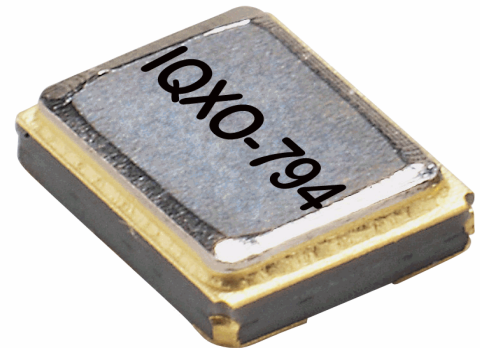
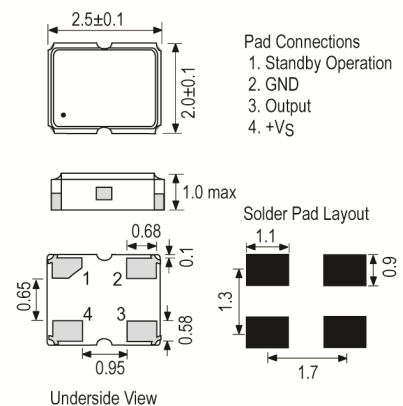
Compliance

- RoHS Status Compliant
- REACH Status Compliant

Packaging

- Pack Type: Reel Tape and reel in accordance with EIA-481D
- Pack Size 1,000
- Alternative packing option available

This document is correct at the time of printing; please contact your local office for the latest version.

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