

**Customer Part:**

**Description**

- Standard 2.5 x 2.0 oscillator in a ceramic package with a hermetically sealed metal lid.
- Model IQXO-794
- Model Issue number 2

**Frequency Parameters**

- Frequency 24.5760MHz
- Frequency Stability  $\pm 50.00$ ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing  $\pm 3$ ppm max per year

**Electrical Parameters**

- Supply Voltage 1.8V  $\pm 5\%$
- 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
- Start Up Time: 10ms max  
0.9ms typ to 90% of final amplitude (under ideal conditions @ 25°C)

**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)
- Standby Current: 10µA max, 0.5µA typ @ 25°C

**Noise Parameters**

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

**Environmental Parameters**

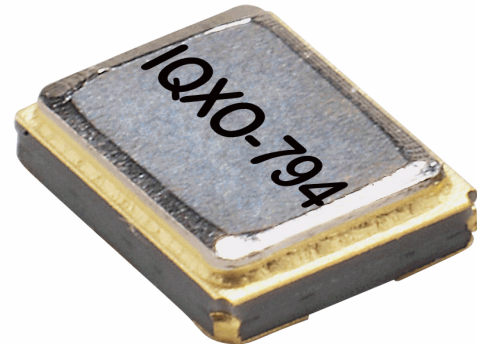
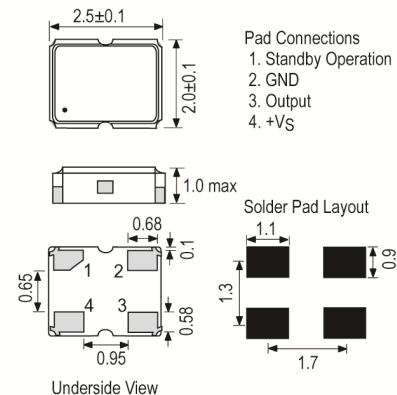
- Shock: MIL-STD-202, Method 213. Or comparable.
- Vibration: MIL-STD-883, Method 2007. Or comparable.
- Storage Temperature Range: -55 to 125°C

**Compliance**

- RoHS Status (2015/863/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)**

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