


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 8.0MHz
- Frequency Stability ± 25.00 ppm
- Operating Temperature Range -20.00 to 70.00°C
- Ageing ± 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: 10 μ A max, 0.5 μ A typ @ 25°C

Noise Parameters

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

Environmental Parameters

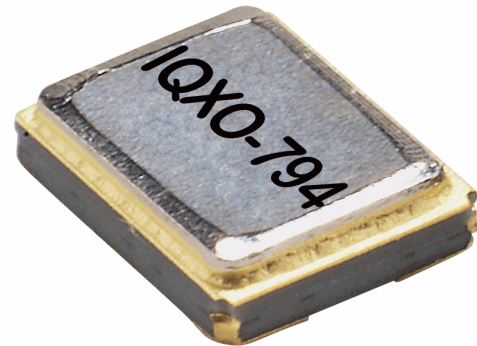
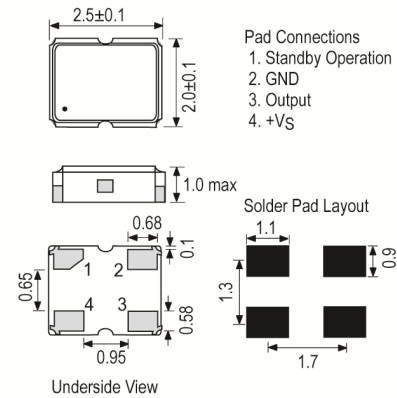
- Shock: MIL-STD-202, Method 213. Or comparable.
- Vibration: MIL-STD-883, Method 2007. Or comparable.
- Storage Temperature Range: -55 to 125°C

Compliance

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

Packaging Details

- Pack Style: Cutt In tape, cut from a reel
Pack Size: 100
- *Alternative packing option available*


Outline (mm)

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