



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: 19.440MHz
- Frequency Stability: ± 50.00 ppm
- Operating Temperature Range: -40.00 to 85.00°C
- Ageing: ± 3 ppm max per year

Electrical Parameters

- Supply Voltage: $1.8\text{V} \pm 5\%$
- 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 V_S min
- Output Voltage Low: 10% of V_S max

Output Control

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

Noise Parameters

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

Environmental Parameters

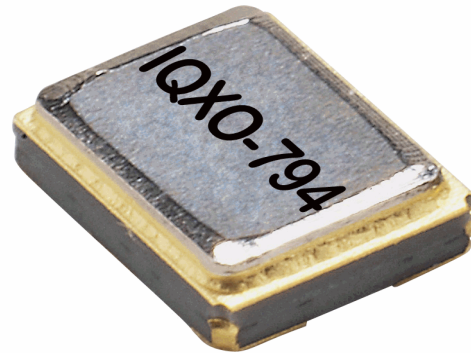
- Shock: MIL-STD-202, Method 213. Or comparable.
- Vibration: MIL-STD-883, Method 2007. Or comparable.
- Storage Temperature Range: -55 to 125°C

Compliance

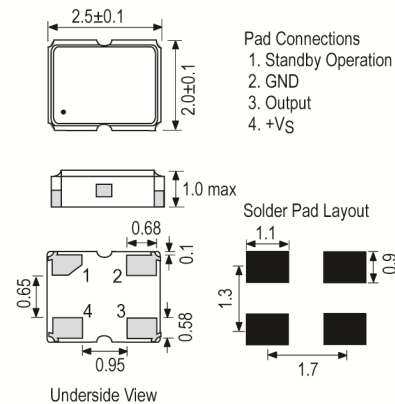
- RoHS Status (2011/65/EU): Compliant
- REACH Status: Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Bulk Loose in bulk pack
- Pack Size: 1
- Alternative packing option available



Outline (mm)



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