

**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 19.20MHz
- 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 2.5V
- 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

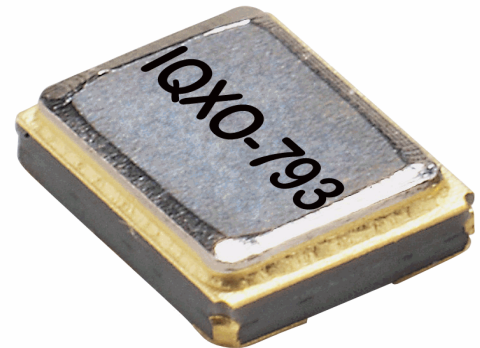
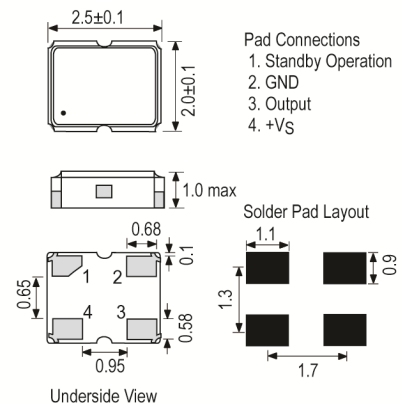
**Compliance**

- RoHS Status Compliant
- REACH Status Compliant

**Packaging**

- Pack Type: Bulk Loose in bulk pack
- Pack Size 1
- 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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