

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China











Description

 Standard 2.5 x 2.0 oscillator in a ceramic package with a hermetically sealed metal lid.

■ Model IQXO-791

Model Issue number1

Frequency Parameters

Frequency
 Frequency Stability
 Operating Temperature Range
 40.00 to 85.00°C

■ Ageing ±3ppm max per year @ 25°C

Electrical Parameters

Supply Voltage 3.3V ±10%Current Draw 10.000mA

Output Details

Output Compatibility
 Drive Capability
 Rise and Fall Time
 Duty Cycle
 HCMOS
 15pF
 10.0ns max
 40/60

Output Voltage Levels:
Output Low (VoL): 10%Vs max
Output High (VoH): 90%Vs min
Start Up Time: 10ms max

Output Control

Stand-by Operation:

Logic '1' (≥70% Vs) to pad 1 enables oscillator output.

Logic '0' (≤30% Vs) to pad 1 disables oscillator output; when disabled the oscillator output goes to the high impedance state

No connection to pad 1 enables oscillator output.

Stand-by Current: 10µA max

Noise Parameters

Period Jitter (pk-pk): ±80ps typPeriod Jitter (1σ): ±10ps typ

Phase Jitter (12kHz to 20MHz): 1ps rms max

Environmental Parameters

Storage Temperature Range: -55 to 125°C

Shock: MIL-STD-202, Method 213. Or comparable.

 Vibration: MIL-STD-883, Method 2007, Condition A. Or comparable.

Manufacturing Details

Maximum Process Temperature: 260°C (10secs max)

 Note: Do not connect inductor or bead between pad 2 and GND as it can make the output unstable.

RoHS Terminations

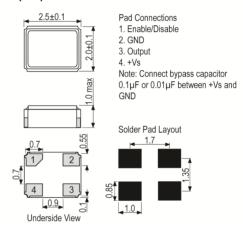
■ RoHS Reflow Temp 260°C max for 10secs max

Compliance

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



Outline (mm)



Sales Office Contact Details:

UK: +44 (0)1460 270200 France: 0800 901 383 Germany: 0800 1808 443 USA: +1.760.318.2824 Email: info@iqdfrequencyproducts.com Web: www.iqdfrequencyproducts.com





Packaging Details

Pack Style: Reel Tape & reel in accordance with EIA-481D
 Pack Size: 3,000

■ Alternative packing option available

Sales Office Contact Details:

UK: +44 (0)1460 270200 Germany: 0800 1808 443 France: 0800 901 383 USA: +1.760.318.2824 Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com