

Description

- 0.9V low voltage oscillator in a hermetically sealed 3.2 x 2.5mm surface mount ceramic package.
- Model IQXO-691 3225-09
- Model Issue number 1

Frequency Parameters

- Frequency 25.0MHz
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Ageing $\pm 3\text{ppm}$ max in 1st year @ 25°C

Electrical Parameters

- Supply Voltage $0.9\text{V} \pm 5\%$
- Current Draw 10.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF
- Rise and Fall Time 5.0ns max
- Duty Cycle 45/55%
- Output Voltage Levels:
Output Low (VoL): 10%Vs max
Output High (VoH): 90%Vs min
- Start Up Time: 10ms max

Output Control

- Output Enable:
Logic '1' ($\geq 70\% V_s$) to pad 1 enables oscillator output.
Logic '0' ($\leq 30\% V_s$) 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 (internal pull-up resistor).
- Stand-by Current: $100\mu\text{A}$ max

Noise Parameters

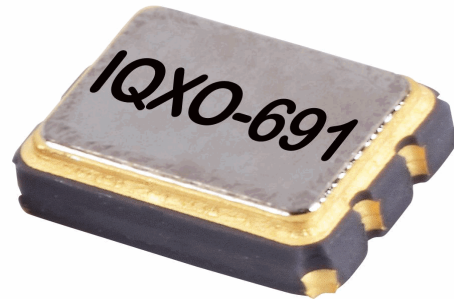
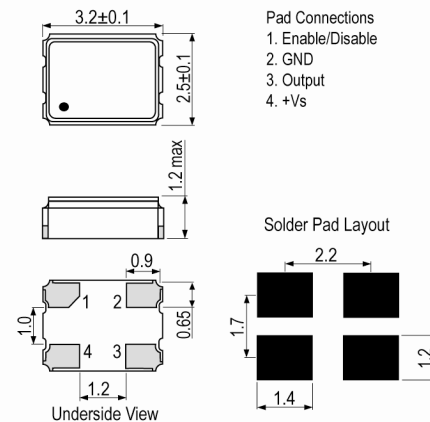
- RMS Phase Jitter (12kHz to 20MHz): 1ps max

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Mechanical Shock: MIL-STD-883, Method 2002, Condition B.
- Vibration: MIL-STD-883, Method 2007, Condition A.
- Moisture Resistance: MIL-STD-883, Method 1004.
- Thermal Cycling: MIL-STD-883, Method 1010, Condition B.
- Solderability: MIL-STD-883, Method 2003.
- Resistance to Soldering Heat: MIL-STD-202, Method 210, Condition K.
- Fine Leak Test: MIL-STD-883, Method 1014, Condition A.
- Gross Leak Test: MIL-STD-883, Method 1014, Condition C.

Manufacturing Details

- Maximum Process Temperature: 260°C (10secs max)
- Note: Please connect a bypass capacitor of $0.1\mu\text{F}$ between +Vs and circuit ground.


Outline (mm)

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

Compliance

- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): 1

Packaging Details

- Pack Style: Cutt Cut tape
Pack Size: 100
- *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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for IQD manufacturer:

Other Similar products are found below :

[LFOCXO063803BULK](#) [LFSPXO056242CUTT](#) [LFMCXO063767BULK](#) [LFMCXO063773BULK](#) [LFOCXO063809BULK](#)
[LFTCXO063709BULK](#) [LFTCXO063710BULK](#) [LFTCXO063779BULK](#) [LFTCXO063781BULK](#) [LFTCXO070028Cutt](#)
[LFTVXO063701BULK](#) [LFTVXO063702BULK](#) [LFTVXO063703BULK](#) [LFTVXO063707BULK](#) [LFTVXO063791BULK](#) [LFXTAL003215](#)
[LFMCXO063766BULK](#) [LFMCXO063771BULK](#) [LFOCXO063816BULK](#) [LFTCXO063713BULK](#) [LFTCXO063714BULK](#)
[LFTCXO063716BULK](#) [LFTVXO063704BULK](#) [LFTVXO063705BULK](#) [LFTVXO063706BULK](#) [LFTVXO063789BULK](#)
[LFTVXO063790BULK](#) [LFOCXO063809](#) [LFSPXO009581](#) [LFTCXO063784](#) [LFTVXO063786](#) [SPXO009437-CFPS-73](#) [LFSPXO009686Bulk](#)
[LFSPXO023543Bulk](#) [LFOCXO067293Bulk](#) [LFMISC075710Bulk](#) [LFSPXO076024Cutt](#) [LFMCXO064079BULK](#) [LFOCXO067293](#)
[LFMCXO064077BULK](#) [LFTVXO063785BULK](#) [LFXTAL012312BULK](#) [LFTCXO063780BULK](#) [LFXTAL003224](#) [LFSPXO009592CUTT](#)
[LFPTXO000295Bulk](#) [LFMISC070550Bulk](#) [LFOCXO063802BULK](#) [LFMCXO064080BULK](#) [LFSPXO009615Bulk](#)