



Description

- Oven controlled crystal oscillator (OCXO) with voltage control on a FR4 base with a metal lid.

■ Model	IQOV-162-4
■ Model Issue number	2

Frequency Parameters

- Frequency: 38.880MHz
- Frequency Tolerance @ 25°C: ±500.00ppb
- Frequency Stability: ±20.00ppb
- Operating Temperature Range: -40.00 to 85.00°C
- Ageing: ±5ppb max per day, ±500ppb max per year
- Supply Voltage Variation (measurement referenced to frequency observed with TA=25°C, Vs varied from 3.13V to 3.47V, VC =1.65V and load=50Ω): ±10ppb max
- Ageing: Vs, VC, TA constant measurement referenced to frequency observed with TA=25°C, Vs= 3.3V, VC=1.65V, load=50Ω and after 30 days of operation.
- Load Variation (5% load change measurement referenced to frequency observed with TA=25°C, Vs=3.3V, VC =1.65V and load=50Ω): ±10ppb max
- Short Term Stability - Allan Variance (temperature stability, no EMI/EMC or other interference test after power for 1hr ref. to 25°C; 1s, using PN9000 equipment): 0.1ppb max / 1sec
- Frequency Tolerance (measurement referenced to frequency observed with TA=25°C, Vs=3.3V, VC=1.65V and after 15 minutes of operation, within 30 days after ex-works): ±500ppb
- Frequency Stability: TA varied from -40°C to 85°C, measurement referenced to frequency observed with $f_{ref}=(f_{max}+f_{min})/2$, Vs=3.3V, VC=1.65V, load=50Ω, temperature variable speed less than 2°C per minute.

Electrical Parameters

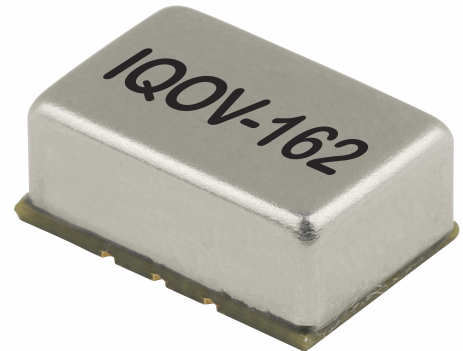
- Supply Voltage: 3.3V
- Supply Voltage Tolerance: ±5%
- Current Draw:
 - Warm up: 560mA max
 - Steady state (@ 25°C): 250mA max
- Warm-Up Time (@ 25°C, F<±100ppb of final frequency): 5mins max

Frequency Adjustment

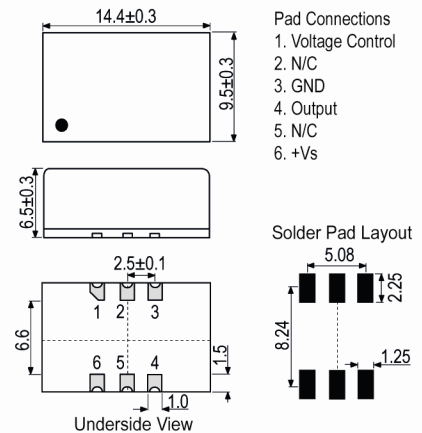
- Pulling: ±3ppm to ±8ppm
- Control Voltage Details: 1.65V ±1.65V
- Linearity: ±10% max
- Slope: Positive
- Input Impedance: 100kΩ min

Output Details

- Output Compatibility: Sine
- Output Load: 50Ω
- Output Level: 6dBm min, 10dBm max



Outline (mm)



Sales Office Contact Details:

UK: +44 (0)1460 270200

France: +33 (0)5 34 50 91 18

Email: info@iqdfrequencyproducts.com

Germany: +49 (0)7264 9145-62

USA: +1 408.273.4530

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 :

[LFXTAL071761CUTT](#) [LFMCXO063767BULK](#) [LFMCXO063773BULK](#) [LFOCXO063802BULK](#) [LFOCXO063809BULK](#)
[LFTCXO063709BULK](#) [LFTCXO063710BULK](#) [LFTCXO063779BULK](#) [LFTCXO070028Cutt](#) [LFTVXO063701BULK](#)
[LFTVXO063702BULK](#) [LFTVXO063703BULK](#) [LFTVXO063707BULK](#) [LFTVXO063791BULK](#) [LFXTAL003156](#) [LFMCXO063766BULK](#)
[LFMCXO063771BULK](#) [LFOCXO063816BULK](#) [LFTCXO063713BULK](#) [LFTCXO063714BULK](#) [LFTCXO063716BULK](#)
[LFTVXO063704BULK](#) [LFTVXO063705BULK](#) [LFTVXO063706BULK](#) [LFTVXO063789BULK](#) [LFTVXO063790BULK](#) [LFXTAL003113](#)
[LFOCXO063809](#) [LFSPXO009581](#) [LFTCXO063784](#) [LFTVXO063786](#) [LFSPXO009686Bulk](#) [LFRBXO059244Bulk](#) [LFTVXO075802Cutt](#)
[LFOCXO067293Bulk](#) [LFTCXO075792Cutt](#) [LFMCXO064079BULK](#) [LFSPXO071189](#) [LFOCXO067293](#) [LFXTAL012312BULK](#)
[LFTCXO063780BULK](#) [LFSPXO056269CUTT](#) [LFOCXO063803BULK](#) [LFSPXO009592CUTT](#) [LFOCXO065520Bulk](#) [LFMISC070550Bulk](#)
[LFSPXO025494Cutt](#) [LFMCXO064080BULK](#) [LFOCXO063804BULK](#) [LFSPXO019884BULK](#)