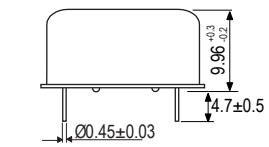
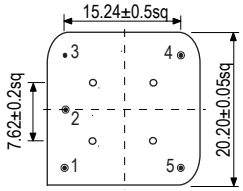
OSCILLATOR SPECIFICATION

Part Number + Packaging: **LFOCXO053597Bulk**

Model: IQOV-50-11



Pin Connection
1. +V_S
2. Output
3. GND
4. Voltage Control
5. N/C



Underside View

Outline drawing; All Dimensions in mm

Frequency	38.88MHz
Holder	20.2 x 20.2mm
Frequency Tolerance @ 25°C	±400ppb max
Frequency Stability vs Operating Temperature Range	±200ppb max
Operating Temperature Range	–30 to 70°C
Operable Temperature Range	-40 to 80°C
Ageing (after 30 days continuous operation)	±2ppb max per day ±500ppb max after 1st year ±3000ppb max after 10 years
Load Variation (@ ±5% change)	±50ppb max
Supply Voltage Variation (@ ±5% change)	±50ppb max
Supply Voltage	5.0V ±5%
Current Consumption	200mA max @ 25°C steady-state 500mA max during warm-up
Pulling	±7000ppb min to ±16000ppb max
Control Voltage	1.25V ±1.25V
Input Impedance	100kΩ min
Linearity	±10% max
Modulation Bandwidth (3dB) (refers to 1kHz)	10kHz min
Output Compatibility	HCMOS
Output Load	10kΩ//15pF
Output Levels	Output Low: 0.5V max Output High 4.3V min
Rise / Fall Time	4ns max (0.8V to 4.2V)
Duty Cycle	45/55% max
Phase Noise (typical)	-60dBc/Hz @ 1Hz -115dBc/Hz @ 100Hz -145dBc/Hz @ 10kHz
Allan Variance $1\sigma^2$ (†)	±1E-10E/1s max
Nominal Frequency Reference Temperature Reference Voltage Control	25°C ±3°C 1.25V

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Power Consumption @ 25°C during warm-up	1000mW max 2500mW max
Storage Temperature Range	-50 to 90°C
Packaging	Bulk
RoHS Status	RoHS Compliant
Marking Includes	IQD FOQ, Model, Frequency, Date Code

Issue	1				
Date	26th May 2011				
Eng. Approval					
QA Approval					

Please note that, if required, IQD can vary all the parameters of this product to better suit your application, please contact our sales team for more details.