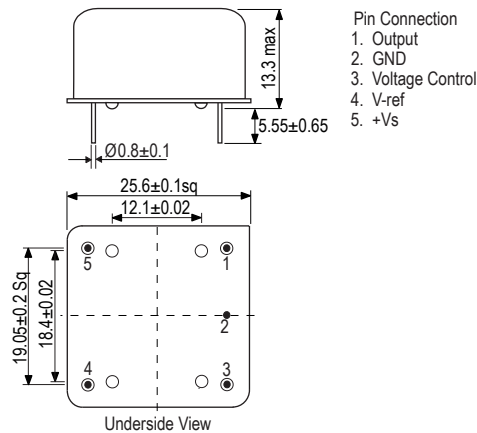


# OSCILLATOR SPECIFICATION

Part Number + Packaging: **LFOCXO053631Bulk**

Model: IQOV-60-1





Outline drawing; All Dimensions in mm

Frequency	16.384MHz
Holder	25.6 x 25.6mm
Frequency Tolerance @ 25°C	±200ppb max
Frequency Stability vs Operating Temperature Range	±30ppb max
Operating Temperature Range	-40 to 70°C
Ageing (after 30 days continuous operation)	±0.5ppb max per day ±50ppb max after 1st year ±400ppb max after 10 years
Supply Voltage Variation (@ ±5% change)	±10ppb max
Supply Voltage	5.0V ±5%
Current Consumption	250mA max @ 25°C steady state 600mA max during warm-up
Pullability	±500ppb min to ±1300ppb max
Voltage Control	2.0V ±2.0V
Input Impedance	50kΩ min
Output Compatibility	HCMOS
Output Load	1kΩ//15pF
Duty Cycle	45/55% max
Output Levels	Output Low: 0.5V max Output High: 4.5V min
Phase Noise	-110dBc/Hz max @ 10Hz -135dBc/Hz max @ 100Hz -145dBc/Hz max @ 1kHz -145dBc/Hz max @ 10kHz
Reference Voltage Stability	±0.015V max over operating temperature range
Nominal Frequency Reference Temperature	25°C ±3°C
Reference Voltage Control	2.0V (Nominal frequency occurs at VC = 2.0V ±0.8V)
Warm-Up	Frequency after 3min ±50ppb max reference to F @ 2 hrs
Attenuation of Spurious Frequency	-60dB min
Reference Voltage	4.0V ±5%

Page 1 of 2

Storage Temperature Range	-40 to 85°C
RoHS Status	RoHS Compliant
Packaging	Bulk
Marking Includes	IQD FOQ, Model, Frequency, Date Code

Page: 2 of 2

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.