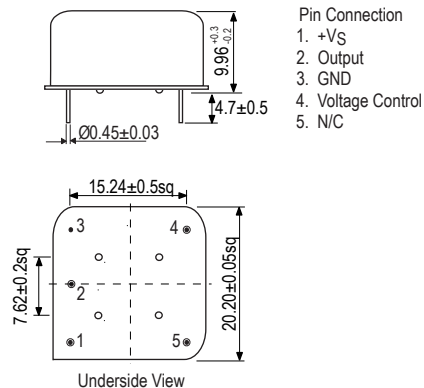


OSCILLATOR SPECIFICATION

Part Number + Packaging: **LFOCXO053595Bulk**

Model: IQOV-50-9





Outline drawing; All Dimensions in mm

Frequency	19.2MHz
Holder	20.2 x 20.2mm
Frequency Tolerance @ 25°C	±200ppb max
Frequency Stability vs Operating Temperature Range	±200ppb max
Operating Temperature Range	-20 to 70°C
Ageing (after 30 days continuous operation)	±2ppb max per day ±800ppb max after 1st year ±3000ppb max after 10 years
Supply Voltage Variation (@ ±5% change)	±50ppb max
Load Variation (@ ±5% change)	±50ppb max
Supply Voltage	5.0V ±5%
Current Consumption	200mA max @ 25°C steady-state 500mA max during warm-up
Pulling	±5000ppb min to ±9000ppb max
Control Voltage	2.0V ±2.0V
Input Impedance	100kΩ min
Linearity	±10% max
Modulation Bandwidth (3dB) (refers to 1kHz)	10kHz
Output Compatibility	HCMOS
Output Load	1kΩ//15pF
Output Levels	Output Low: 0.5V max Output High 4.3V min
Rise / Fall Time	4ns max (0.8V to 4.2V)
Phase Noise (typical)	-90dBc/Hz @ 10Hz -110dBc/Hz @ 100Hz -125dBc/Hz @ 1kHz -135dBc/Hz @ 10kHz -145dBc/Hz @ 100kHz
Allan Vairance 1σ ² (†)	±1E-10/1s max
Page 1 of 2	

Nominal Frequency Reference Temperature Reference Voltage Control	25°C ±3°C 2.0V
Storage Temperature Range	-40 to 90°C
Packaging	Bulk
RoHS Status	RoHS Compliant
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.