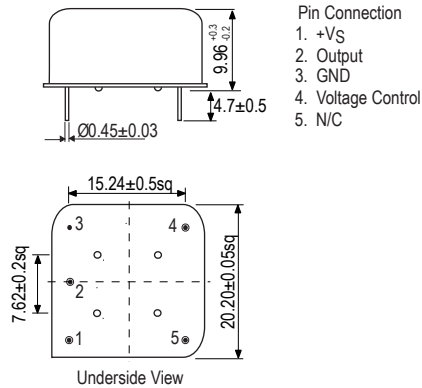


OSCILLATOR SPECIFICATION

Part Number + Packaging: **LFOCXO053594Bulk**

Model: IQOV-50-8





Outline drawing; All Dimensions in mm

Frequency	16.384MHz
Holder	20.2 x 20.2mm
Frequency Tolerance @ 25°C	±500ppb max
Frequency Stability vs Operating Temperature Range	±100ppb max
Operating Temperature Range	-20 to 70°C
Ageing (after 30 days continuous operation)	±10ppb max per day ±200ppb max after 1st year
Load Variation (@ ±5% change)	±10ppb max
Supply Voltage Variation (@ ±5% change)	±10ppb max
Supply Voltage	3.3V ±5%
Current Consumption	300mA max @ 25°C steady-state 800mA max during warm-up
Pulling	±2000ppb min to ±10000ppb max
Control Voltage	1.65V ±1.5V
Input Impedance	100kΩ min
Linearity	±10% max
Output Compatibility	HCMOS
Output Load	10kΩ//15pF
Output Levels	Output Low: 0.3V max Output High 2.7V min
Rise / Fall Time	10ns max (10% to 90%)
Duty Cycle	40/60% max
Phase Noise (typical)	-75dBc/Hz @ 1Hz -100dBc/Hz @ 10Hz -125dBc/Hz @ 100Hz -140dBc/Hz @ 1kHz
Short Term Stability	1x10e-10 max
Nominal Frequency Reference Temperature	25°C ±3°C
Reference Voltage Control	1.65V

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Warm-Up Time @ 25°C	5min max (until 1 hour frequency drift ±100ppb max)
Storage Temperature Range	-40 to 85°C
Packaging	Bulk
RoHS Status	RoHS Compliant
Marking Includes	IQD FOQ, Model, Frequency, Date Code

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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.