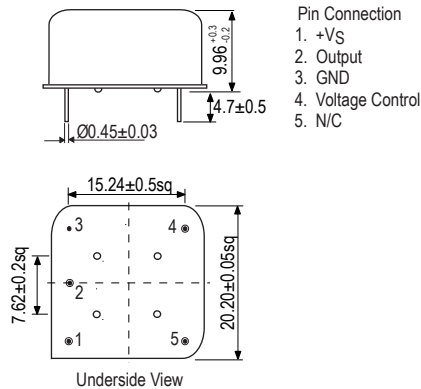


OSCILLATOR SPECIFICATION

Part Number + Packaging: **LFOCXO053590Bulk**

Model: IQOV-50-6





Outline drawing; All Dimensions in mm

Frequency	10.0MHz
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
Operable Temperature Range	-30 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	3.3V ±5%
Current Consumption	300mA max @ 25°C steady-state, 800mA max during warm-up
Pulling	±5000ppb min
Control Voltage	1.65V ±1.65V
Input Impedance	100kΩ min
Linearity	±10% max
Modulation Bandwidth (3dB)	10kHz min
Output Compatibility	HCMOS
Output Load	10kΩ//15pF
Output Levels	Output Low: 0.3V max, Output High 2.8V min
Rise / Fall Time	4ns max (10% to 90%)
Phase Noise (typical)	-100dBc/Hz @ 10Hz -130dBc/Hz @ 100Hz -140dBc/Hz @ 1kHz -145dBc/Hz @ 10kHz

Nominal Frequency Reference Temperature Reference Voltage Control	25°C ±3°C 1.65V
Storage Temperature Range	-50 to 90°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.