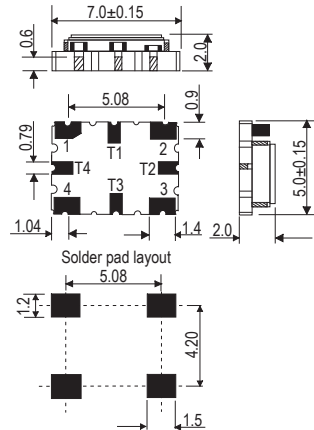


# OSCILLATOR DATA SHEET

Part Number: LF TVXO009902



Pad Connections  
 1. Voltage Control  
 2. GND  
 3. Output  
 4. +Vs  
 T1, T2, T3, T4,  
 Do Not Connect

Outline drawing; All Dimensions in mm

Frequency	13.0MHz
Holder	7x5mm
Output Compatibility / Load	HCMOS, 15pF
Duty Cycle	45/55%
Rise / Fall Time	8ns max
Frequency Adjustment	±5ppm min
Control Voltage	1.65V ±1V
Frequency Stability	±0.9ppm
Supply Voltage Variation	±0.3ppm
Load Variation	±0.2ppm (@15pF ±10%)
After Reflow	±1.0ppm
Operating Temperature Range	-20 to 70°C
Storage Temperature Range	-55 to 125°C
Supply Voltage	3.3V ±5%
Supply Current	3mA @ 20MHz typ
Ageing	±1.0ppm typical in 1st year @ 25°C
Environmental Specification	Vibration: IEC 60068-2-6 Test Fc Procedure B4, 10-60Hz 1.5mm displacement, at 98.1 m/s <sup>2</sup> , 30 minutes in each of three mutually perpendicular planes at 1 octave per minute
	Shock: IEC 60068-2-27 Test Ea, 980m/s <sup>2</sup> acceleration for 6ms duration, 3 shocks in each direction along three mutually perpendicular planes
	Solderability: MIL-STD-202, Method 208, Category 3
RoHS Status	RoHS Compliant
Packaging	Bulk
Additional Information	Please note: This document is based on a standard IQD Data Sheet; as such it is correct at the time of printing. Please contact our Sales dept for a copy of the most up to date specification sheet
Marking includes:	Batch Code, Stability Code, Frequency, Date Code

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Date	18th August 2009				
Checked					