

Part No. + Packaging: **LFTVX0063787REEL**

- Model IQXT-210-3
- Model Issue number 2

Outline (mm)

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1. Voltage Control
2. N/C
3. N/C
4. GND
5. Output
6. N/C
7. N/C
8. +Vs

- Supply Voltage 3.3V
- Supply Voltage Tolerance $\pm 5\%$
- Current Draw 10.00mA max
- Current: TA=25°C, Vs=3.3V, VC=1.5V and load=15pF

- Pulling $\pm 10\text{ppm}$ to $\pm 15\text{ppm}$
- Control Voltage Details $1.5\text{V} \pm 1.5\text{V}$
- Linearity: $\pm 10\%$ max
- Input Impedance: $100\text{k}\Omega$ min
- Slope: Positive

- Output Compatibility HCMOS
- Output Load 15pF
- Rise and Fall time (10% - 90%) 8ns max
- Duty Cycle 45/55%
- Output Low (@ $V_s=3.3V$, load=15pF): 0.4V max
- Output High (@ $V_s=3.3V$, load=15pF): 2.4V min
- Phase Noise (@ 10MHz typ):
 - 90dBc/Hz @ 10Hz
 - 115dBc/Hz @ 100Hz
 - 135dBc/Hz @ 1kHz
 - 145dBc/Hz @ 10kHz
 - 148dBc/Hz @ 100kHz
 - 150dBc/Hz @ 1MHz

Web: www.igdfrequencyproducts.com



Environmental Parameters

- Shock: IEC 60068-2-27, Test Ea: 100G acceleration for 6ms, half sinewave, in 3 mutually perpendicular planes
- Vibration: IEC 60068-2-6, Test Fc: 10Hz-2000Hz, 0.75mm amplitude, 10G acceleration, 30mins per cycle, in 3 mutually perpendicular planes, test duration 2hrs
- Storage Temperature Range: -55 to 105°C
- Operable Temperature Range: -40 to 85°C
- ESD Level:
HBM, Class 2: 2000V to 4000V, JEDEC JS-001-2010
Machine Model, Class B: 200V to 400V, JEDEC JS-001-2010

Manufacturing Details

- Moisture Sensitivity Level: 2
- Maximum Reflow Temperature: 260°C (30secs max)

Compliance

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|----------------|-----------|
| ■ RoHS Status | Compliant |
| ■ REACH Status | Compliant |

Packaging

- | | |
|-------------------|--|
| ■ Pack Type: Reel | Tape & reel in accordance with EIA-481-D |
| Pack Size | 1,000 |
- Alternative packing option available

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