


Description

- LVPECL output Voltage Controlled Crystal Oscillator
Ceramic package with a hermetically sealed metal lid
- Model IQXV-32
- Model Issue number 1

Frequency Parameters

- Frequency 122.880MHz
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Ageing: $\pm 3\text{ppm}$ max per year

Electrical Parameters

- Supply Voltage $3.3\text{V} \pm 5\%$
- Current Draw 100.00mA

Frequency Adjustment

- Pulling $\pm 100\text{ppm}$ min
- Control Voltage $1.65\text{V} \pm 1.35\text{V}$
- Input Impedence (pin1) $> 2\text{M}\Omega$
- Linearity: $\pm 10\%$ max

Output Details

- Output Compatibility LVPECL
- Drive Capability 50Ω in VS-2.0V
- Rise and Fall Time 1.0ns max
- Duty Cycle $45/55\%$
- VoH: VS-1.025V max
VoL: VS-1.620V max

Output Control

- Tri-State Function (pin2):
Enable: $> 70\%$ VS or no connection
Disable: $< 30\%$ VS
- Start Up Time: 10ms max

Noise Parameters

- Phase Jitter (12kHz to 20MHz): 4ps max

Environmental Parameters

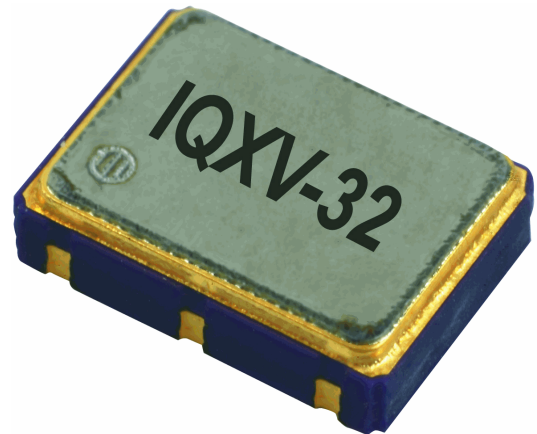
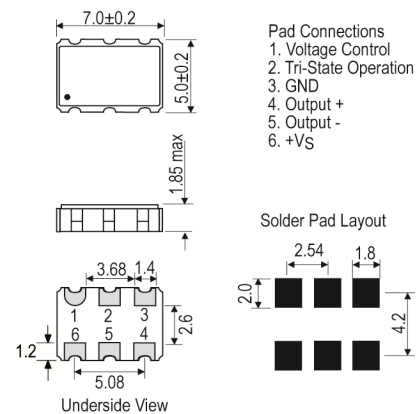
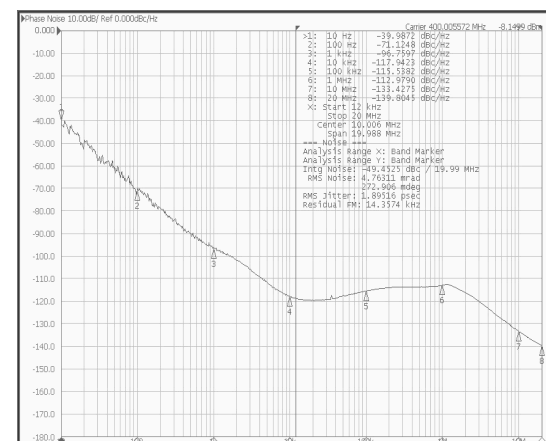
- Storage Temperature Range: -55 to 125°C
- Shock: MIL-STD-202, Method 213
- Vibration: MIL-STD-883, Method 2007

Compliance

- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Reel Tape and Reel in accordance with
Pack Size: 1,000 EIA-481D
- Alternative packing option available


Outline (mm)

Typical Phase Noise Plot

Sales Office Contact Details:

UK: +44 (0)1460 270200
Germany: 0800 1808 443

France: 0800 901 383
USA: +1.760.318.2824

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com