



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 212.50MHz
- Frequency Tolerance @ 25°C INCLUSIVE
- 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 3.3V
- Supply Voltage Tolerance $\pm 5\%$
- Current Draw 100.00mA max

Frequency Adjustment

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

Output Details

- Output Compatibility LVPECL
- Output Load 50 Ω in VS-2.0V
- Rise and Fall time (10% - 90%) 1ns max
- Duty Cycle 45/55% max
- 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

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

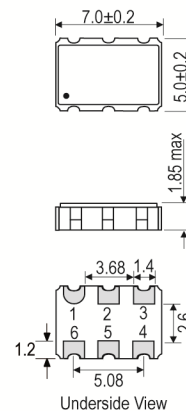
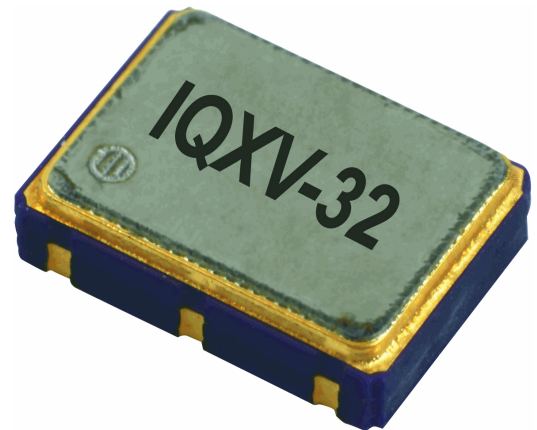
Compliance

- RoHS Status Compliant
- REACH Status Compliant

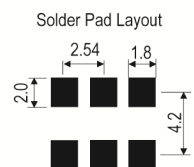
Packaging

- Pack Type: Bulk Loose in bulk pack
- Pack Size 1
- Alternative packing option available

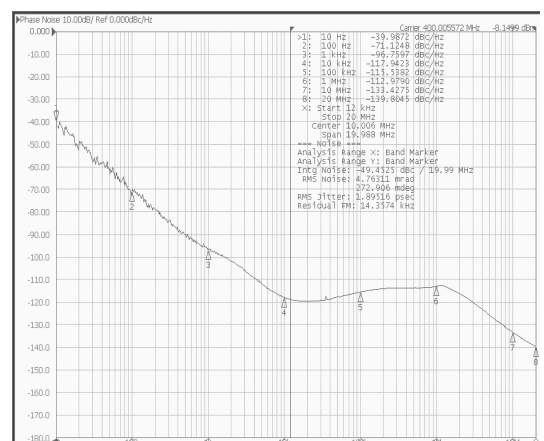
This document is correct at the time of printing; please contact your local office for the latest version.



Pad Connections
1. Voltage Control
2. Tri-State Operation
3. GND
4. Output +
5. Output -
6. +Vs



Typical Phase Noise Plot



Sales Office Contact Details:

UK: +44 (0)1460 270200

Germany: +49 (0)7264 9145-0

France: +33 (0)5 34 50 91 18

USA: +1 (0)408.273.4530

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com