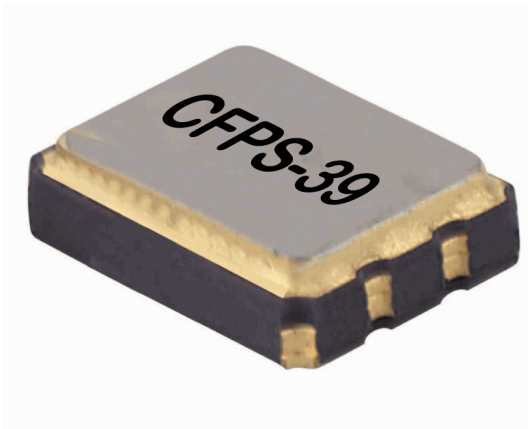
Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO025166Reel***

Customer Part:

Description

- Surface mount 3.2 x 2.5mm crystal oscillator in a hermetically sealed ceramic package with a seam sealed metal lid.
- Model CFPS-39
- Model Issue number 6



Frequency Parameters

- Frequency 48.0MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±3ppm max per year @ 25°C

Electrical Parameters

- Supply Voltage 3.3V ±10%
- Current Draw 20.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 5.0ns max
- Duty Cycle 45/55%
- Output Low Vol: 10% Vs max
  Output High Voh: 90% Vs min
- Start-Up Time: 10ms max.
  0.7ms typ to 90% of final amplitude (under ideal conditions @ 25°C)

Output Control

- Standby Operation:
  Logic '1' (>70% Vs) to pad 1 enables oscillator output
  Logic '0' (<30% Vs) to pad 1 disables oscillator output; when disabled the oscillator output goes to the high impedance state
  No connection to pad 1 enables oscillator output
  Standby Current: 10µA max

Environmental Parameters

- Storage Temperature Range: –55 to 125°C
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine wave
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20g (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs)

Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260degC max for 10s max

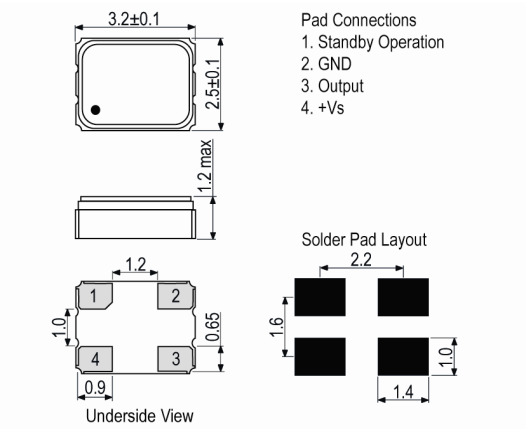
Compliance

- RoHS Status (2015/863/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

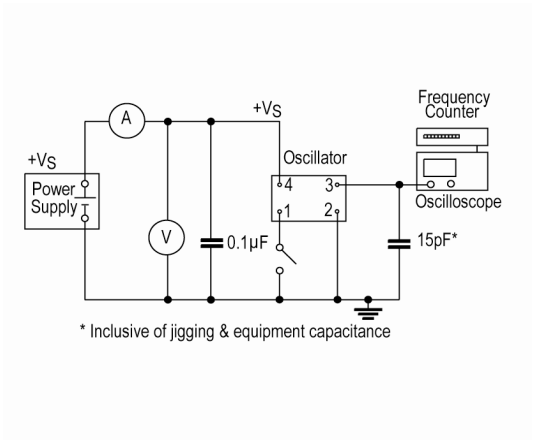
Packaging Details

- Pack Style: Reel Tape & reel in accordance with EIA-481-D
  Pack Size: 1,000

Outline (mm)



Test Circuit



Sales Office Contact Details:

UK: +44 (0)1460 270200

USA: +1.760 668 8935

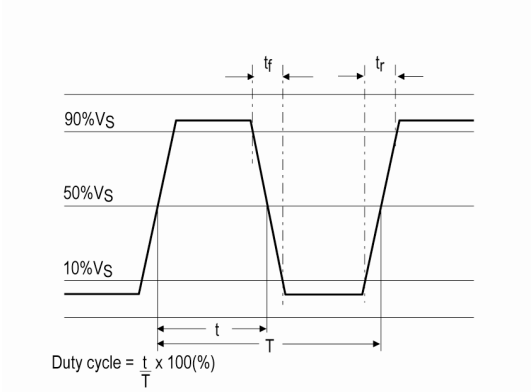
Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com

Customer Part:

- *Alternative packing option available*

Wave Form



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