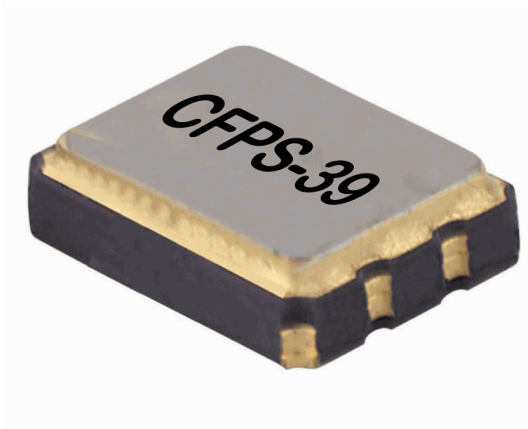
# Crystal Clock Oscillator Specification

*Part No. + Packaging:* ***LFSPXO025559Reel***

**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 40.0MHz
- 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%
- 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

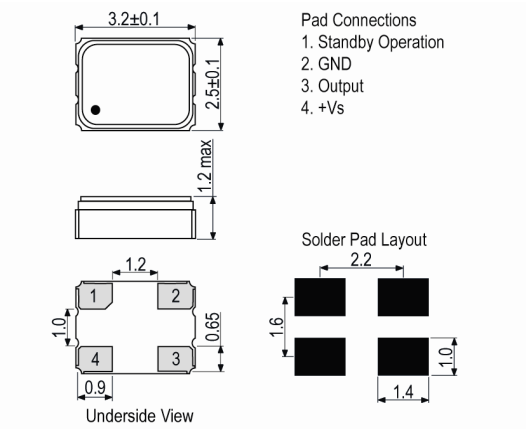
## Compliance

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

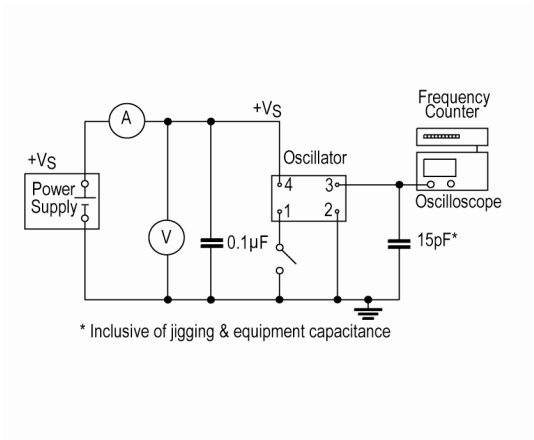
## Packaging Details

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

**Outline (mm)**




**Test Circuit**

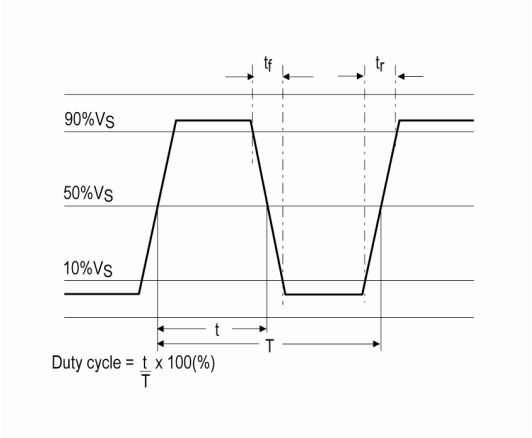



**Sales Office Contact Details:**

UK: +44 (0)1460 270200
France: 0800 901 383
Email: info@iqdfrequencyproducts.com
Germany: 0800 1808 443
USA: +1.760.318.2824
Web: www.iqdfrequencyproducts.com

**Customer Part:**

**Wave Form**




**Sales Office Contact Details:**
UK: +44 (0)1460 270200
France: 0800 901 383
Email: info@iqdfrequencyproducts.com
Germany: 0800 1808 443
USA: +1.760.318.2824
Web: www.iqdfrequencyproducts.com

# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## IQD Frequency:

LF XTAL016788 LFXTAL003000 LFXTAL029914 LFXTAL085874 LF SPXO018035 LFXTAL059530 LF XTAL003127 LFXTAL009706 LFXTAL061648 LF SPXO025559 LFSPXO071189REEL LFXTAL003118BULK LFXTAL059532 LFXTAL030234 LFXTAL009650 LFSPXO018036 LFSPXO018038 LFXTAL026900 LFXTAL082071 LFXTAL009678 LFXTAL035266 LFXTAL035599 LF XTAL003335 LFTVXO009907BULK LFXTAL027945 LFXTAL072604 LFSPXO066657 LFXTAL059575 LFXTAL059815 LF XTAL012313