Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO024957***

Customer Part:

Description

- 5 x 3.2mm crystal oscillator
  Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-9
- Model Issue number 8
- Note: Please be aware that devices supplied against this model may show slight cosmetic differences depending upon the frequency and specification, however, all electrical details remain as per the model specification.



Frequency Parameters

- Frequency 25.0MHz
- 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 ±0.3V
- Current Draw 20.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 10.0ns max
- Duty Cycle 40/60%
- Start up time: 10ms max, 0.8ms typ to 90% of final amplitude (under ideal conditions @25°C)

Output Control

- Enable/Disable 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, 0.9µA typ @25°C

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)

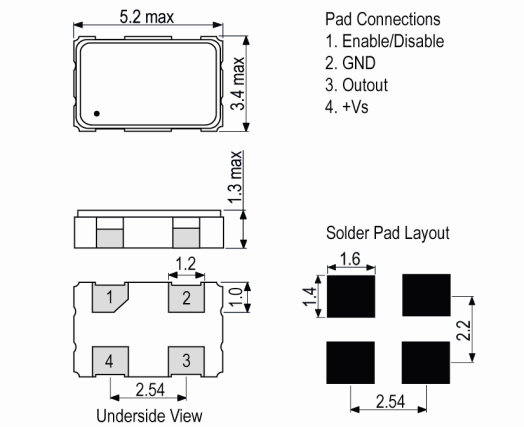
Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C 10s max

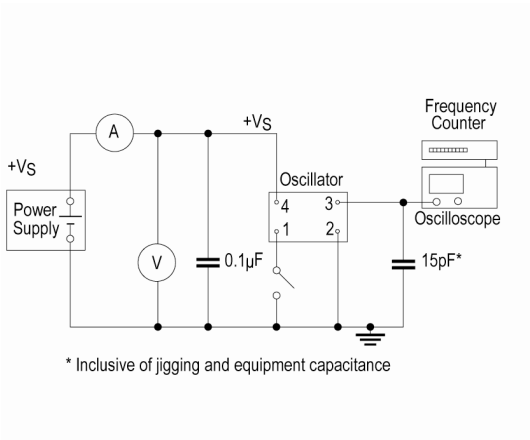
Compliance

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

Outline (mm)



Test Circuit



Sales Office Contact Details:

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Email: info@iqdfrequencyproducts.com

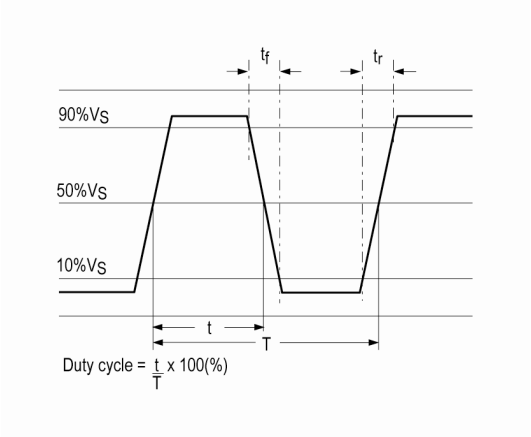
Web: www.iqdfrequencyproducts.com

Customer Part:

Packaging Details

- Tape & reel in accordance with EIA-481
  Quantities below the standard reel size to be supplied on cut tape.
  Standard Quantity: 1,000 Pieces

Wave Form



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IQD Frequency:

LF SPXO018035 LFXTAL059532 LFXTAL059815 LFSPXO018038 LFSPXO071189REEL LFXTAL009706
LFXTAL035266 LFXTAL059575 LFXTAL009650 LF XTAL003127 LF XTAL012313 LFSPXO066657
LFXTAL027945 LFXTAL082071 LFXTAL085880 LF XTAL003335 LFXTAL026900 LFXTAL030234
LF XTAL016788 LFSPXO018036 LFTVXO009907BULK LFXTAL009678 LFXTAL029914 LFXTAL035599
LFXTAL072604 LF SPXO025559 LFXTAL059530 LFXTAL061648 LFXTAL085874 LFXTAL003000