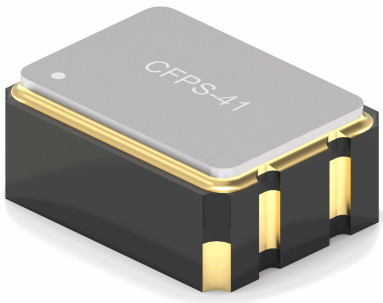
Crystal Clock Oscillator Specification

Part No.: ***LFSPXO067867***

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-41
- Model Issue number 7



Frequency Parameters

- Frequency 38.40MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±3ppm max per year @25°C

Electrical Parameters

- Supply Voltage 1.8V ±5%
- Current Draw 15.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 6.0ns max
- Duty Cycle 40/60
- Output Low VoL: 10% Vs max
  Output High VoH: 90% Vs min

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
- Start-Up Time: 10ms max

Environmental Parameters

- Storage Temperature Range: –55 to 125°C
- Shock: MIL-STD-883F: 2002.4. Condition B, 1500g, 0.5ms, 1/2 sine wave.
- Vibration: MIL-STD-883F: 2007.3, Test Condition: Peak acceleration:20g Frequency range;(20Hz~2000Hz), Peak to peak amplitude: 1.52mm, Sweep time: 20 minute/axis, Pendicular total test time: 4 hours.

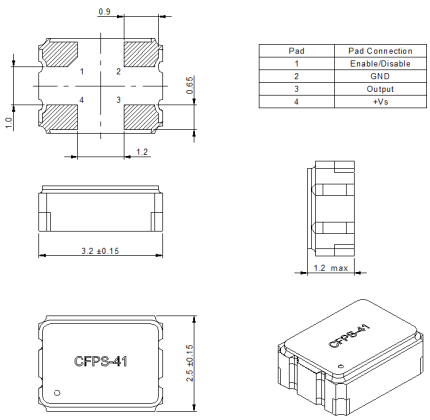
Manufacturing Details

- RoHS Terminations Ni, Au
- RoHS Reflow Temp 260°C max for 30 seconds max

Compliance

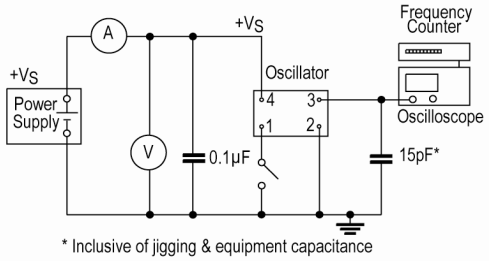
- RoHS Status (2015/863/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Outline (mm)



Pad	Pad Connection
1	Enable/Disable
2	GND
3	Output
4	+Vs

Test Circuit



* Inclusive of jigging & equipment capacitance

Sales Office Contact Details:

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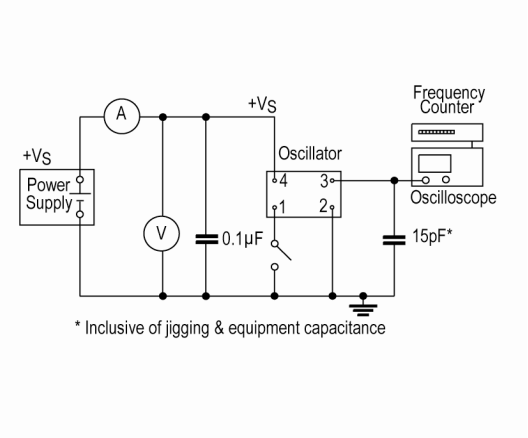
Customer Part:

Packaging Details

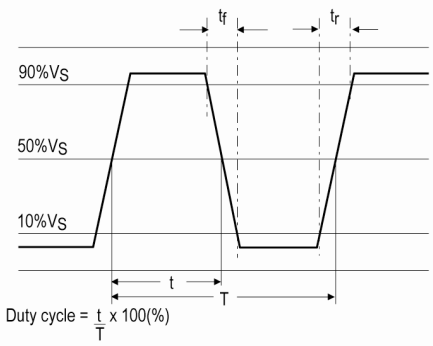
- Tape & reel in accordance with EIA-481
  Quantities below the standard reel size to be supplied on cut tape

  Standard Pack Quantity: 3,000

Test Circuit



Wave Form



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