Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO071944***

Customer Part:

Description

- 1.6 x 1.2mm crystal oscillator in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model IQXO-984
- Model Issue number 1

Frequency Parameters

- Frequency 32.7680kHz
- Frequency Stability ±30.00ppm
- Operating Temperature Range -20.00 to 70.00°C
- Frequency Stability: Includes Frequency Tolerance @ 25°C, operating temperature range, supply voltage variation and load variation.

Electrical Parameters

- Supply Voltage 3.3V ±10%
- Current Draw (typical) 0.025mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 200.0ns max
- Duty Cycle 45/55
- Output Voltage Levels:
  Output Low (VoL): 10%Vs max
  Output High (VoH): 90%Vs min
- Start Up Time: 7ms max

Output Control

- Stand-by Mode:
  Logic '0' (30%Vs max) to pad 1 disables the oscillator output, the output goes to a high impedance state.
  Logic '1' (70%Vs min) or no connection to pad 1 enables oscillator output.
- Stand-by Current: 1.4µA typical 3µA max

Environmental Parameters

- Storage Temperature Range: –40 to 85°C

Compliance

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

Packaging Details

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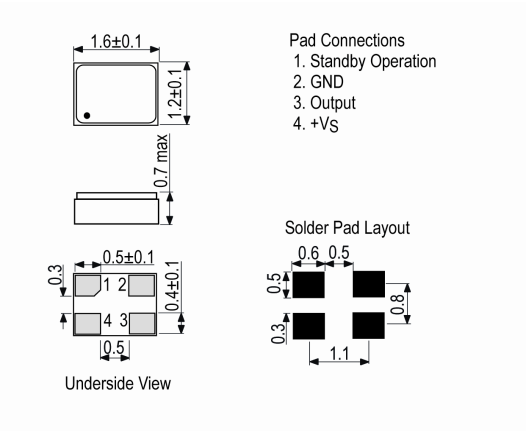
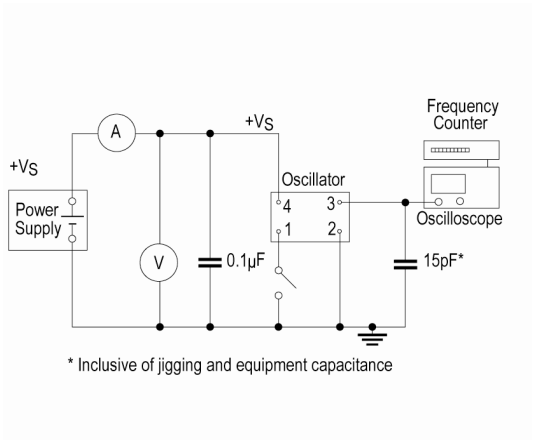
Standard Pack Quantity:

Outline (mm)



Test Circuit



Sales Office Contact Details:

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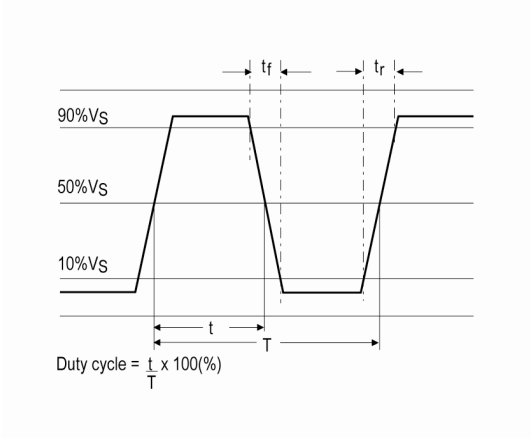
Customer Part:

Wave Form



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