Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO016231Reel***

Description

- Surface mount oscillator in a ceramic package with a hermetically sealed metal lid
- Model IQXO-70
- Model Issue number 11

Frequency Parameters

- Frequency 8.7840MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±5ppm max in 1st year

Electrical Parameters

- Supply Voltage 5.0V ±0.5V
- Current Draw 27.00mA

Output Details

- Output Compatability HCMOS
- Drive Capability 50pF max
- Rise and Fall Time 7.0ns max
- Duty Cycle 45/55%

Output Control

- Tri-state Operation:
  Logic '1' (2.2V min) to pad 1 enables oscillator output
  Logic '0' (0.8V max) 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

Environmental Parameters

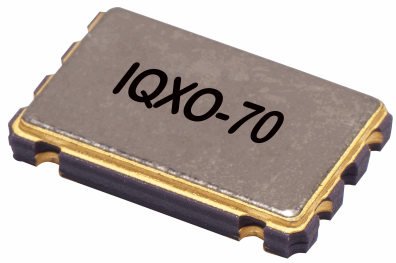
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G, frequency range 10-2000Hz 2hrs in 3 mutually perpendicular planes (total 6hrs)
- Storage Temperature Range: –55 to 125°C

Compliance

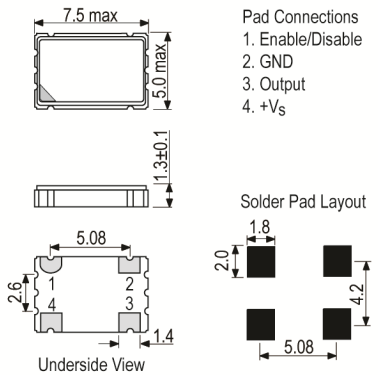
- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

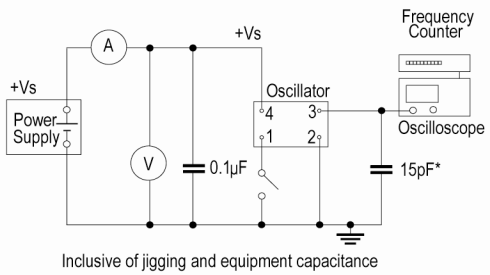
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
  Pack Size: 1,000
- *Alternative packing option available*



Outline (mm)



Test Circuit



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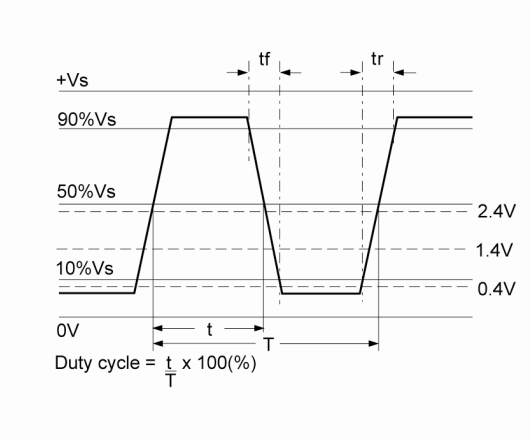
Wave Form