Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO016100Bulk***

Description

- Surface mount oscillator in a ceramic package with a hermetically sealed metal lid
- Model IQXO-71
- Model Issue number 11

Frequency Parameters

- Frequency 10.240MHz
- Frequency Stability ±25.00ppm
- Operating Temperature Range -10.00 to 70.00°C
- Ageing ±5ppm max in 1st year

Electrical Parameters

- Supply Voltage 3.3V ±0.3V
- Current Draw 12.00mA

Output Details

- Output Compatability HCMOS
- Drive Capability 15pF max
- Rise and Fall Time 6.0ns max
- Duty Cycle 45/55%

Output Control

- Tri-state Operation:
  Logic '1' (0.7Vs min) to pad 1 enables oscillator output
  Logic '0' (0.3Vs 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

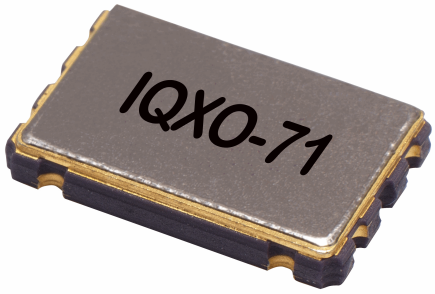
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G, frequency range 10-2000Hz 2hrs in 3 mutually perpendicular planes (total 6hrs)
- Storage Temperature Range: –55 to 125°C

Compliance

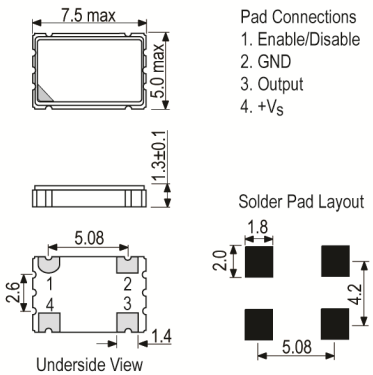
- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

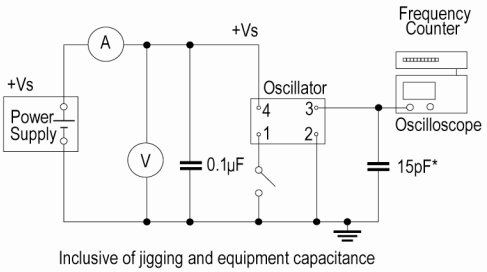
- Pack Style: Bulk Loose in bulk pack
  Pack Size: 100
- *Alternative packing option available*



Outline (mm)



Test Circuit



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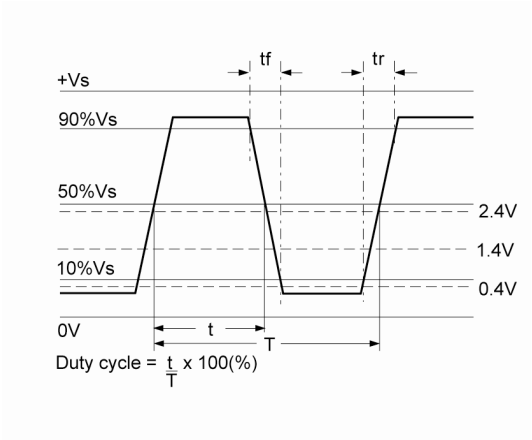
Wave Form



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