Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO018034Bulk***

Description

- Standard 7 x 5mm crystal oscillator in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model CFPS-72
- Model Issue number 12

Frequency Parameters

- Frequency 16.0MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range 0.00 to 70.00°C
- Ageing ±3ppm per year max

Electrical Parameters

- Supply Voltage 5.0V ±10%
- Current Draw 20.00mA

Output Details

- Output Compatability HCMOS/TTL
- Drive Capability 50pF max
- Rise and Fall Time 10.0ns max
- Duty Cycle 45/55%

Output Control

- Standby Operation:
  Logic '1' (>70% Vs) to pad 1 enables oscillator output.
  Logic '0' (<30% Vs) to pad 1 disables oscillator output; the oscillator output goes to the high impedance state.
  No connection to pad 1 enables oscillator output.
- Standby Current: 10µA max

Noise Parameters

- Phase Jitter RMS : 350fs typical

Environmental Parameters

- Shock: MIL-STD-202, Method 213, Condition E.
- Vibration: MIL-STD-883, Method 2007, Condition A.

Compliance

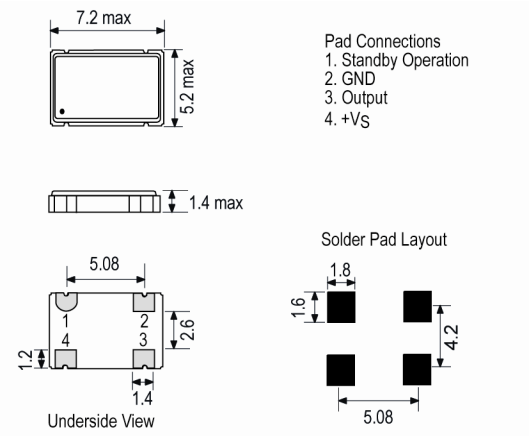
- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

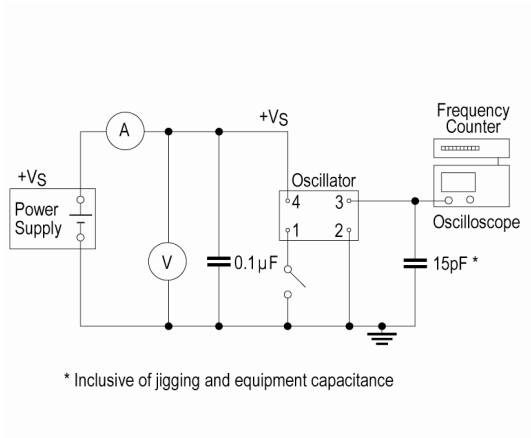
- Pack Style: Bulk Loose in bulk pack
  Pack Size: 100
- *Alternative packing option available*



Outline (mm)



Test Circuit



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Wave Form

