Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO009682Cutt***

Description

- Suitable for real time clock applications
  32.768kHz output crystal oscillators
  Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-107
- Model Issue number 4

Frequency Parameters

- Frequency 32.7680kHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±3ppm max per year

Electrical Parameters

- Supply Voltage 1.8V ±5%
- Current Draw 1.500mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 50.0ns max
- Duty Cycle 40/60%
- Logic '1' to pad 1 enables oscillator output
  Logic '0' 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

- Storage Temperature Range: –55 to 125°C
- Shock: MIL-STD-883F, Method 2002.4: 1500G, 0.5ms, 3 times in each of 3 mutually perpendicular planes.
- Vibration: MIL-STD-883F, Method 2007.3: 20G (20Hz-2000Hz), 1.52mm amplitude

Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260degC 10s

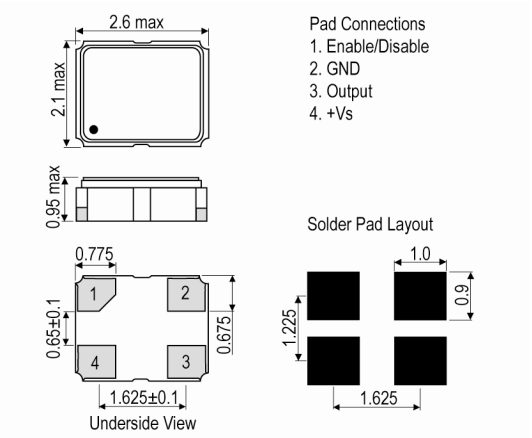
Compliance

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

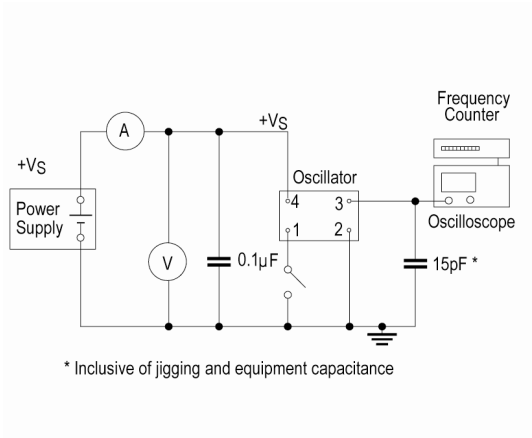
Packaging Details

- Pack Style: Cutt In tape, cut from a reel
  Pack Size: 100
- *Alternative packing option available*

Outline (mm)



Test Circuit



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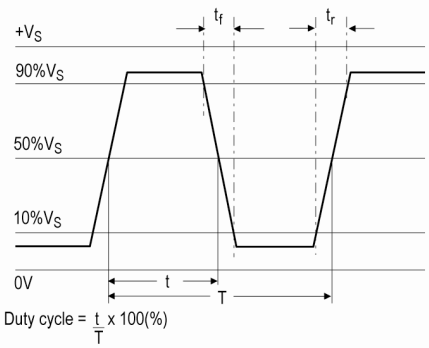
Wave Form



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