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Crystal Clock Oscillator Specification

IQD Part No. + Packaging: LFSPXO024589Reel

Wurth Part No. ***831024589***

Description

- 5 x 3.2mm crystal oscillator
  Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-9
- Model Issue number 7
- Note: please be aware that devices supplied against this model may show slight cosmetic differences depending upon the frequency and specification, however all electrical details remain as per the model specification.



Frequency Parameters

- Frequency 50.0MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±3ppm max per year @ 25°C

Electrical Parameters

- Supply Voltage 3.3V ±0.3V
- Current Draw 30.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 8.0ns max
- Duty Cycle 40/60%

Output Control

- Enable/Disable Operation:
  Logic '1' (>70% VS) to pad 1 enables oscillator output
  Logic '0' (<30% VS) 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
  Standby Current: 10µA max

Environmental Parameters

- Storage Temperature Range: –55 to 125°C
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine wave
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs)

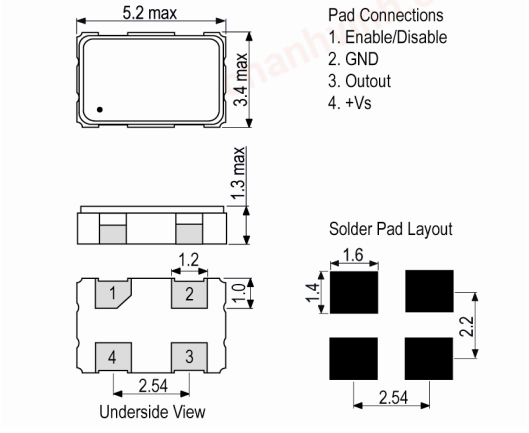
Manufacturing Details

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

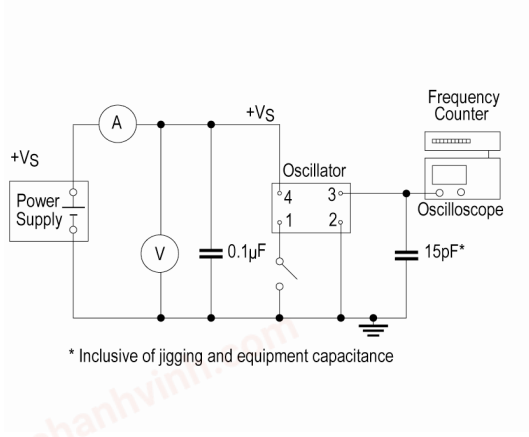
Compliance

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

Outline (mm)



Test Circuit



CONTACT INFORMATION:
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Packaging Details

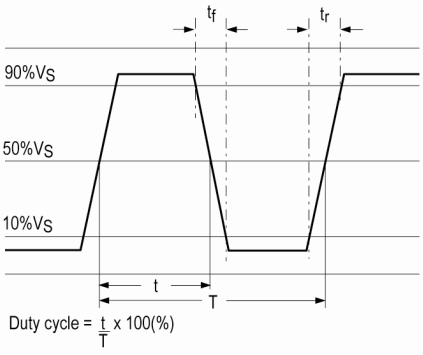
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
  Pack Size: 1,000
- *Alternative packing option available*

USEFUL LINKS

Toolbox:
www.we-online.com/toolbox

Product Catalog:
www.we-online.com/products

Wave Form



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