Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO024589Bulk***

Description

- 5 x 3.2mm crystal oscillator
  Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-9
- Model Issue number 6

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 30.00mA

Output Details

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

Output Control

- Standby 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)

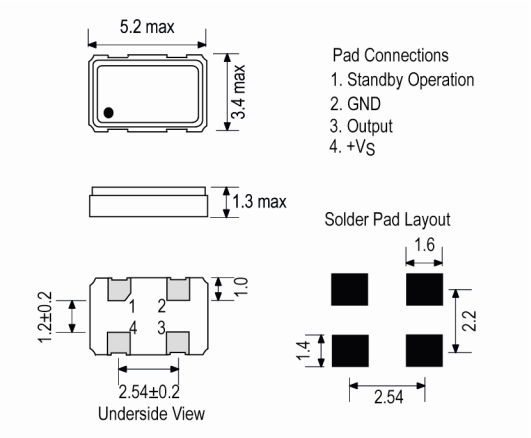
Compliance

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

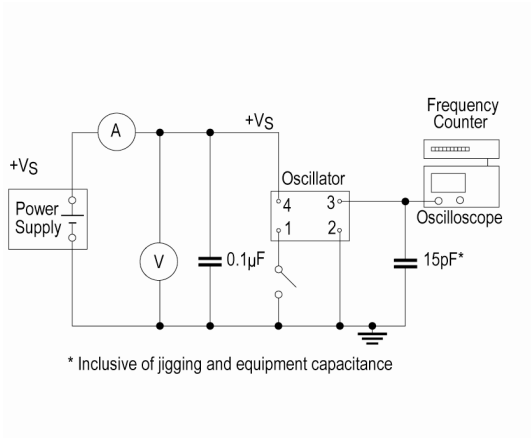
Packaging Details

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

Outline (mm)



Test Circuit



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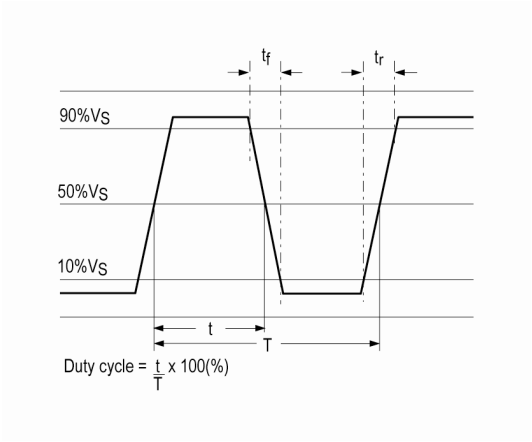
Wave Form



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