Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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Crystal Clock Oscillator Specification

Part No. + Packaging: ***LFSPXO018077Bulk***

Description

- Standard 7 x 5mm crystal oscillator
  Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-73
- Model Issue number 12

Frequency Parameters

- Frequency 25.0MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range 0.00 to 70.00°C
- Ageing ±3ppm per year max

Electrical Parameters

- Supply Voltage 3.3V ±10%
- Current Draw 12.00mA

Output Details

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

Output Control

- 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 Noise @125MHz (typical):
  10Hz -54dBc
  100Hz -92dBc
  1kHz -130dBc
  10kHz -149dBc
  100kHz -159dBc
  1MHz -163dBc
- RMS Phase Jitter @125MHz: 52fs typical

Environmental Parameters

- Shock: MIL-STD-202, Method 213, Condition E
- Vibration: MIL-STD-883, Method 2007, Condition A
- Storage Temperature Range: -55 to 125°C

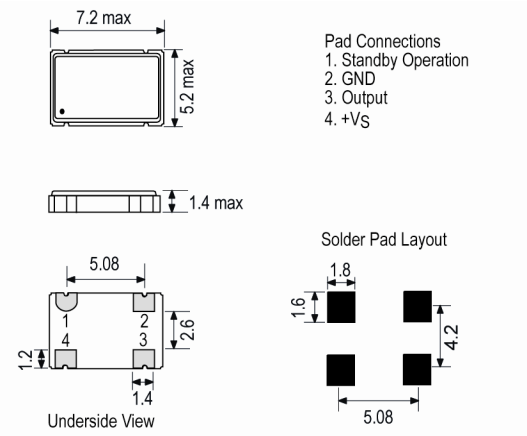
Compliance

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

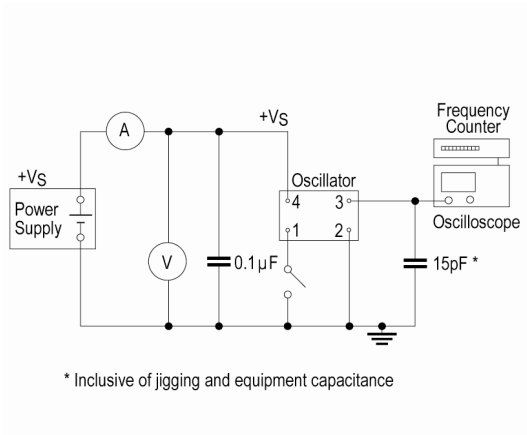
Packaging Details

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

Outline (mm)



Test Circuit



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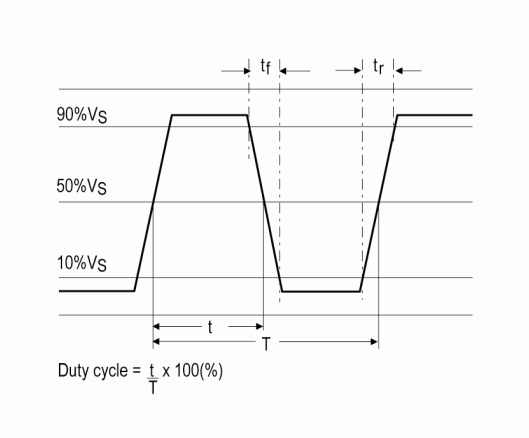
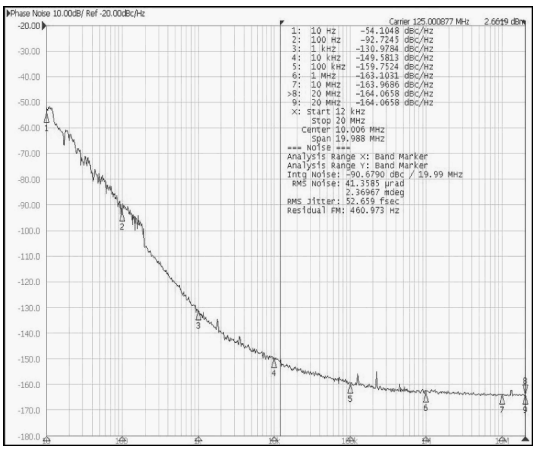
Wave Form



Phase Noise / Jitter



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