TCVCXO Specification

Part No. + Packaging: ***LFTVXO009916Bulk***

Description

- Surface mount temperature compensated voltage controlled oscillator (TCVCXO) providing a high degree of frequency stability over a wide temperature range in a hermeticaly sealed ceramic package
- Model CFPT-126
- Model Issue number 5



Frequency Parameters

- Frequency 19.440MHz
- Frequency Stability ±0.50ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±1ppm typical in 1st year @ 25°C

Electrical Parameters

- Supply Voltage 3.3V ±5%
- Current Draw (Typical): 3mA @ 20MHz
- Supply Voltage Variation:
  <30MHz ±0.3ppm
  30MHz to 40MHz ±0.4ppm
- Load Variation: ±0.2ppm (@15pF ±10%)
  After Reflow: ±1.0ppm

Frequency Adjustment

- Pulling ±5ppm min
- Control Voltage 1.65V ±1.0V

Output Details

- Output Compatability HCMOS
- Drive Capability 15pF nom
- Rise and Fall Time 8.0ns max
- Duty Cycle 45/55%

Environmental Parameters

- Shock: IEC 60068-2-27, Test Ea: 980m/s2 acceleration for 6ms, 3 shocks in each of 3 mutually perpendicular planes
- Vibration: IEC 60068-2-6, Test Fc, Procedure B4: 10Hz-60Hz 1.5mm displacement, 60-2000Hz at 98.1m/s2, 30mins in 3 mutually perpendicular planes at 1 oct/min
- Solderability: MIL-STD-202, Method 208, Category 3
- Storage Temperature Range: –55 to 125°C

Manufacturing Details

- Soldering: Suitable for Convection Reflow soldering. Peak temperature 260°C, 60sec max above 220°C
- Washing: Able to withstand aqueous washing

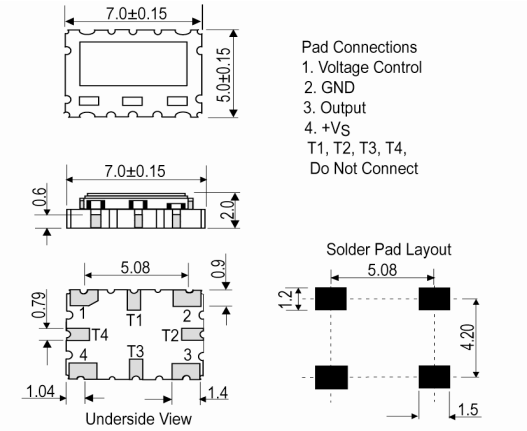
Compliance

- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): 1

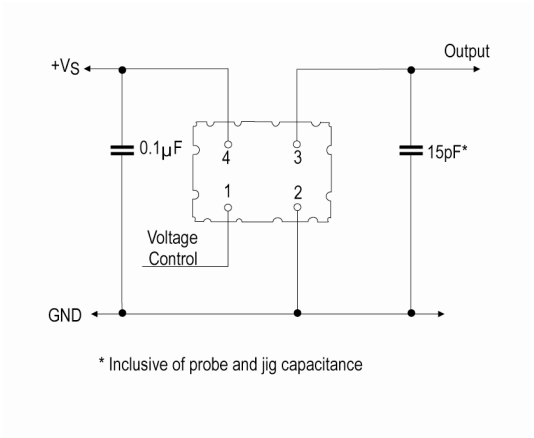
Packaging Details

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

Outline (mm)



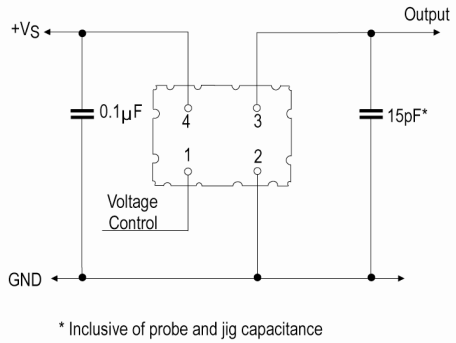
Test Circuit



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Test Circuit



Wave Form

