



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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Description

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

Frequency Parameters

- Frequency 16.3840MHz
- Frequency Stability $\pm 0.50\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Ageing $\pm 1\text{ppm}$ typical in 1st year @ 25°C

Electrical Parameters

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

Frequency Adjustment

- Pulling $\pm 5\text{ppm}$ min
- Control Voltage $1.65\text{V} \pm 1.0\text{V}$

Output Details

- Output Compatibility 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/s^2 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/s^2 , 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

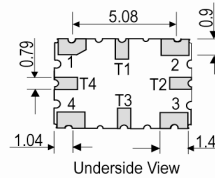
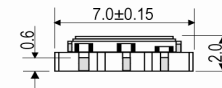
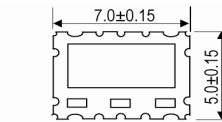
- Soldering: Suitable for Convection Reflow soldering. Peak temperature 260°C , 60sec max above 220°C
- Washing: Able to withstand aqueous washing

Compliance

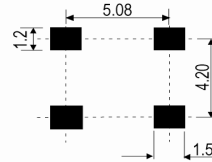
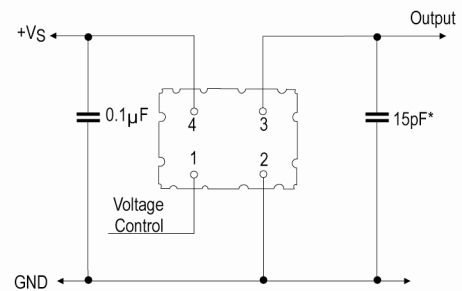
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): 1

Packaging Details

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


Outline (mm)


- Pad Connections
1. Voltage Control
 2. GND
 3. Output
 4. +Vs
- T1, T2, T3, T4,
Do Not Connect

Solder Pad Layout

Test Circuit


* Inclusive of probe and jig capacitance

Sales Office Contact Details:

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Germany: 0800 1808 443

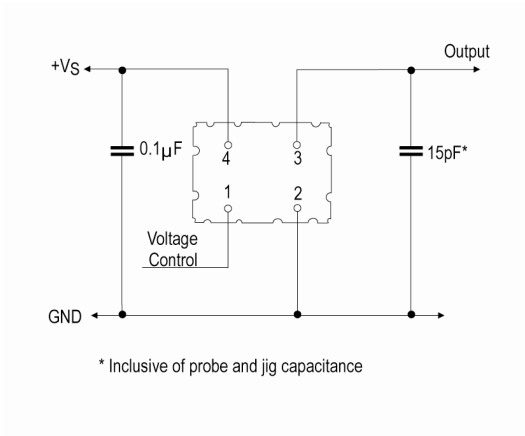
France: 0800 901 383

USA: +1.760.318.2824

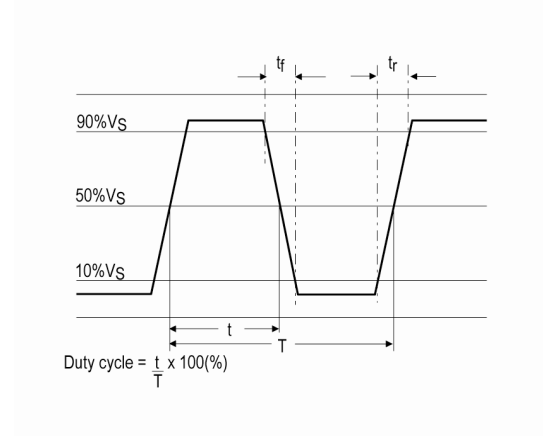
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Test Circuit



Wave Form



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