



Description

- Surface mount temperature compensated voltage controlled oscillator (VCTCXO) providing a high degree of frequency stability over a wide temperature range in a hermetically sealed ceramic package
- Model CFPT-125
- Model Issue number 11

Frequency Parameters

- Frequency 16.3840MHz
- Frequency Stability $\pm 0.90\text{ppm}$
- Operating Temperature Range -20.00 to 70.00°C
- Ageing $\pm 1\text{ppm}$ typical in 1st year @ 25°C

Electrical Parameters

- Supply Voltage $3.3\text{V} \pm 5\%$
- Current Draw 3.000mA
- Supply current typical at 20MHz
- Supply Voltage Variation
 $<30\text{MHz} \pm 0.3\text{ppm}$
 $30\text{MHz to } <40\text{MHz} \pm 0.4\text{ppm}$
 $40\text{MHz} \pm 0.5\text{ppm}$
- 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 (nominal)
- 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: $10\text{Hz}-60\text{Hz}$ 1.5mm displacement, $60-2000\text{Hz}$ 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

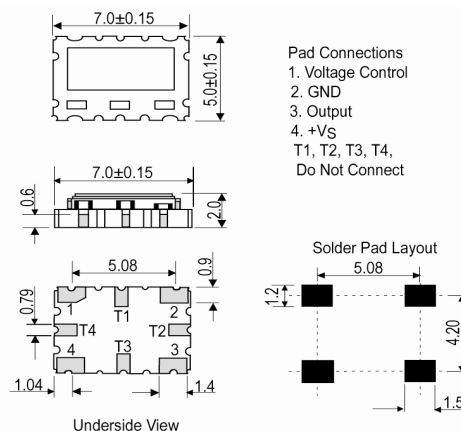
- Soldering: Suitable for Convection Reflow soldering. Peak temperature 260°C for 10sec max
- Washing: Able to withstand aqueous washing
- RoHS Terminations NiCoAu
- RoHS Reflow Temp 260degC 30s

Compliance

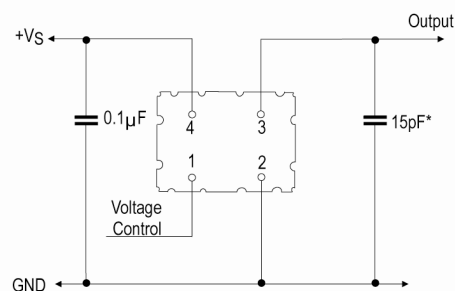
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): 1



Outline (mm)



Test Circuit



* Inclusive of probe and jig capacitance

Sales Office Contact Details:

UK: +44 (0)1460 270200

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [TCXO Oscillators](#) category:

Click to view products by [IQD](#) manufacturer:

Other Similar products are found below :

[SIT5000ACC8E-33VQ-19.200000X](#) [SiT5001AI-2E-33N0-48.000000X](#) [TG3225CEN 25.0000M-KFGNNAB](#) [SIT5001AI-2E-33N0-24.000000x](#)
[SIT1566AC-JV-18E-32.768E](#) [KT1612A26000AAW18NBL](#) [X1G005421031215](#) [TX0408CB](#) [NT1220HH3I106EN100](#)
[NT1220HS3I106EN100](#) [NT1220HS3I507EN100](#) [BT0507BC3I507CN27](#) [SIT5146AI-FA-33N0A40.000000F](#) [SiT9551AI-02B1A3310-](#)
[312.500000](#) [NT1220HH3I507EN100](#) [BT0914AD3C507DN100](#) [BT0914AD3C106DN100](#) [9132S-26.000N30FT1XL](#) [8132S-10.000MN18DTL](#)
[8153S-26.000NL33DTL](#) [9175S-10.000K33FT1JL](#) [SX2T25.000B010J020S](#) [ATXAIG-H13-F-26.000MHZ-F25-T3](#) [ATX-13-D-26.000MHZ-](#)
[E05-T3](#) [LFPTXO000291](#) [LFTCXO073006](#) [SIT5356AI-FQ-33E0-25.000000X](#) [SIT5357AI-FQ-33N0-100.000000X](#) [ECS-TXO-2520-33-120-](#)
[AN-TR](#) [SiT5000AICGE-33E0-25.000000X](#) [SiT1568AI-JE-DCC-32.768E](#) [AST3TQ-T-20.000MHz-28](#) [AST3TQ-T-25.000MHz-28](#)
[SiT1552AC-JE-DCC-32.768D](#) [AST3TQ-V-30.720MHz-28](#) [AST3TQ-T-30.720MHz-28](#) [AST3TQ-T-40.000MHz-28](#) [ABDFTCXO-](#)
[20.000MHz-L-2-CT](#) [718-24-15](#) [AST3TQ-10.00MHz-2](#) [AST3TQ-19.20MHz-5](#) [AST3TQ-25.00MHz-5](#) [ASGTX-D-100.000MHz-1](#) [ASGTX-D-](#)
[106.250MHz-1](#) [ASGTX-P-1.500GHz-1](#) [AST3TDA-0000-T5](#) [AST3TDA53TACJ2-19.2000MHz](#) [AST3TDATAACJ5-20.0000MHz](#) [AST3TQ53-](#)
[T-10.000MHz-5-C](#) [AST3TQ53-T-20.000MHz-5-C](#)