CFPV-2365

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Preliminary Specification

Delivery Options

- Please contact our sales office for current leadtimes

Nominal Frequency

- 622.080MHz

Output Compatibility

- Sinewave
- Load: 50Ω
- Level: ≥1.0Vpp, ≤2.0Vpp

Description

- The CFPV-2365 is a voltage controlled crystal oscillator based on a high frequency fundamental mode crystal. The oscillator runs at 155.520MHz and this frequency is multiplied 4 times to obtain the output frequency. This method provides for excellent jitter characteristics.

Package Outline

- 20.7 × 20.7 × 9.9mm

Frequency Tolerance

- ≤ ±10ppm @ 25°C

Standard Frequency Stabilities

- Temperature: –25 to 85°C; ≤ ±30ppm
- Temperature: 0 to 70°C; ≤ ±20ppm
- Supply Voltage Variation: ≤ ±3ppm

Supply Voltage

- 3.3V ±5%

Supply Current

- ≤ 80mA

Operating Temperature Range

- 0 to 70°C
- –25 to 85°C

Storage Temperature Range

- –40 to 85°C

Output Frequency Change

- ±80ppm min / ±120ppm max., positive slope

Voltage Control Pin 1

- 1.5V ±1.5V

Modulation Bandwidth

- >3.0kHz

Ageing

- < ±5ppm first year
- < ±2ppm in following years

Jitter (peak to peak)

- ≤80 ps

Environmental Specification

- Vibration: IEC 68-2-6 Test Fc Procedure B4, 10-60Hz 0.75mm displacement, 60-500Hz at 98.1m/s^2, 30 minutes in each of three mutually perpendicular planes at 1 octave per minute.
- Shock: IEC 68-2-27 Test Ea, 981m/s^2 acceleration for 6ms duration, 3 shocks in each direction along three mutually perpendicular axes.
- SMD: Infra-red (class C, test category 1 as defined in classification BS CECC 00802; 1994). Testing to be performed in accordance with BS CECC 00802, IEC 68-2-20 and IEC 68-2-58.
- Sealing: Non hermetic package
- Marking: Label, resistant to all common solvents.

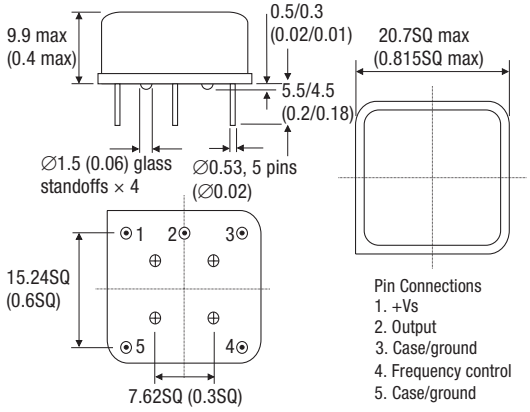
Marking

- Model number
- Frequency
- Date code (Year/Week)
- Static Sensitivity Symbol Δ (denotes pin 1)

Minimum Order Information Required

- Frequency + Model Number

Outline in mm (inches)



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