



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 number5

Frequency Parameters

Frequency
 Frequency Stability
 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
 Drive Capability
 Rise and Fall Time
 Duty Cycle
 HCMOS
 15pF nom
 8.0ns max
 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

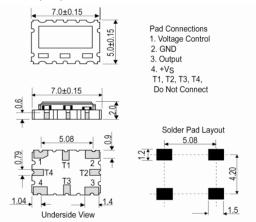
Pack Style: Bulk Loose in bulk pack

Pack Size: 100

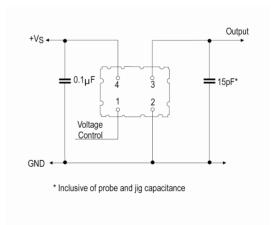
Alternative packing option available



Outline (mm)



Test Circuit



Sales Office Contact Details:

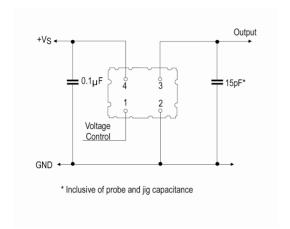
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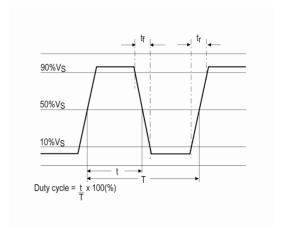




Test Circuit



Wave Form



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