



Description

- Standard 7 x 5mm Voltage Controlled Crystal Oscillator
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPV-44
- Model Issue number 7

Frequency Parameters

- Frequency 22.57920MHz
- Frequency Tolerance @ 25°C INCLUSIVE
- Frequency Stability ±50.00ppm
- Operating Temperature Range -10.00 to 70.00°C

Electrical Parameters

- Supply Voltage 3.3V
- Supply Voltage Tolerance ±0.3V
- Current Draw 15.00mA max
- Start-Up Time: 10ms max

Frequency Adjustment

- Pulling ***See Technical Notes***
- Control Voltage Details 1.65V ±1.5V
- Input Impedance 1-80MHz 100kΩ typ, >80-125MHz 5MΩ typ

Output Details

- Output Compatability HCMOS
- Output Load 15pF max
- Rise and Fall time (10% - 90%) 5ns max
- Duty Cycle 40/60% max
- Phase Jitter: 20MHz max 1ps rms (12kHz - 1MHz)

Environmental Parameters

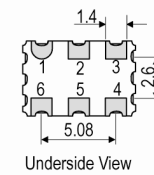
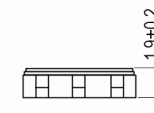
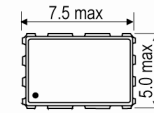
- Shock: MIL-STD-202F, Method 213B (1000G, 0.5ms, 1/2 sine)
- Vibration: Sinewave, frequency range 10-55Hz, amplitude 1.52mm, 2hrs in X, Y, Z axes (total 6 hrs)
- Storage Temperature Range: -40 to 85°C

Compliance

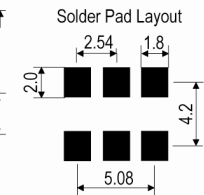
- RoHS Status Compliant
- REACH Status Compliant



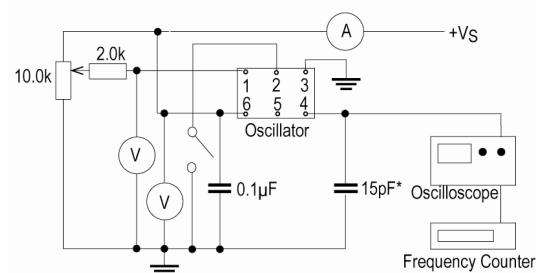
Outline (mm)



- Pad Connections
- Voltage Control
 - Tri-State Operation
 - GND
 - Output
 - N/C
 - +VS



Test Circuit



*Inclusive of jigging and equipment capacitance

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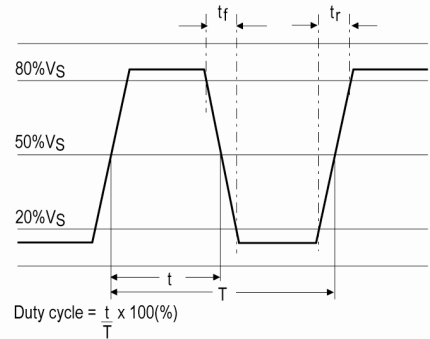
Packaging

- Pack Type: Bulk Loose in bulk pack
- Pack Size 100

- Alternative packing option available

This document is correct at the time of printing; please contact your local office for the latest version.

Wave Form



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