

CFPV-41, -42, -43, -44

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Delivery Options

- Common frequencies are available from stock. Please see p207 for details

Output Compatibility

- Tri-state HCMOS

Description

- CFPV-41, -42, -43, -44 are surface mount voltage controlled crystal oscillators providing a high degree of frequency stability over a wide temperature range. It is particularly suited to applications where space is at a premium

Package Outline

- 7.5 × 5.0 × 1.9mm SMD (surface mount device)

Standard Frequencies

- 2.048MHz, 4.096MHz, 8.192MHz, 10.0MHz, 12.288MHz, 16.384MHz, 19.44MHz, 20.48MHz, 24.576MHz, 26.0MHz, 28.6363MHz, 32.768MHz, 34.368MHz, 34.816MHz, 38.880MHz, 40.960MHz, 44.7360MHz, 49.152MHz, 50.0MHz, 51.84MHz

Standard Frequency Stabilities

- ±25ppm, ±50ppm, ±100ppm (inclusive of supply voltage & output load variations over the operating temperature range)

Operating Temperature Range

- 10 to 70°C

Storage Temperature Range

- 40 to 85°C

Voltage Control Pin 1

- 2.5V±2.0V (CFPV-41, -43)
- 1.65V±1.5V (CFPV-42, -44)

Linearity

- <±10%

Modulation Bandwidth

- >20kHz

Start up Time

- 10mS max.

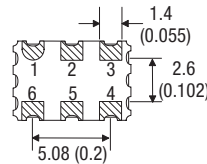
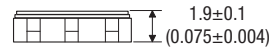
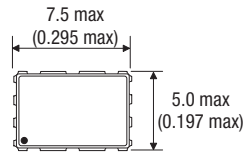
Marking

- Model number
- Frequency Stability Code
- Frequency

Minimum Order Information Required

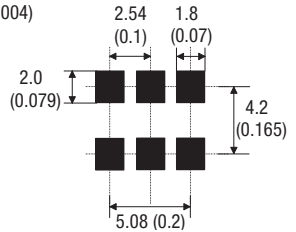
- Frequency + Model Number + Frequency Stability

Outline in mm (inches) - (scale 2:1)

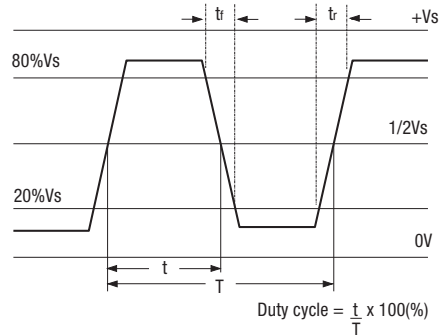


- Pad connections
- Voltage Control
 - Enable/Disable
 - Ground
 - Output
 - N/C
 - +Vs

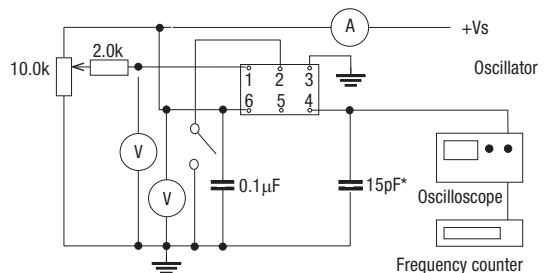
Solder pad layout



Output Waveform - HCMOS



Test Circuit



*Inclusive of jigging & equipment capacitance

