


Description

- Standard 7 x 5mm Voltage Controlled Crystal Oscillators
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPV-45
- Model Issue number 7

Frequency Parameters

- Frequency 40.0MHz
- Frequency Stability $\pm 100.00\text{ppm}$
- Operating Temperature Range 0.00 to 70.00°C

Electrical Parameters

- Supply Voltage 3.3V $\pm 0.3\text{V}$
- Current Draw 50.00mA

Frequency Adjustment

- Pulling *****See Technical Notes*****
- Control Voltage 1.65V $\pm 1.65\text{V}$
- Input Impedence 50k Ω min
- Modulation Bandwidth: >10kHz (@-3dB, Vc=2.5V)
- Linearity: Positive < $\pm 10\%$

Output Details

- Output Compatability HCMOS
- Drive Capability 15pF max
- Rise and Fall Time 10.0ns max
- Duty Cycle 40/60%

Output Control

- Logic '1' (>2.5V) to pad 2 enables oscillator output
Logic '0' (<0.5V) to pad 2 disables oscillator output; when disabled the oscillator output goes to the high impedance state
No connection pad 2 enables oscillator output

Noise Parameters

- Phase Jitter: 20ps max @ 1sigma

Environmental Parameters

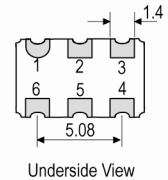
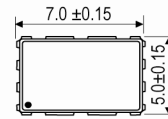
- Operable Temperature Range: -40 to 85°C
- Shock: MIL-STD-202, Method 213, Cond. E
- Vibration: MIL-STD-883, Method 2007, Cond. A
- Storage Temperature Range: -55 to 125°C

Compliance

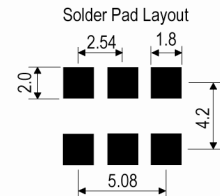
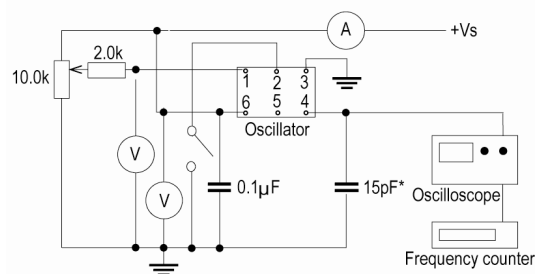
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Bulk Loose in bulk pack
Pack Size: 100
- *Alternative packing option available*


Outline (mm)


- Pad Connections
1. Voltage Control
 2. Tri-State Operation
 3. Ground
 4. Output
 5. N/C
 6. +Vs


Test Circuit


*Inclusive of jigging and equipment capacitance

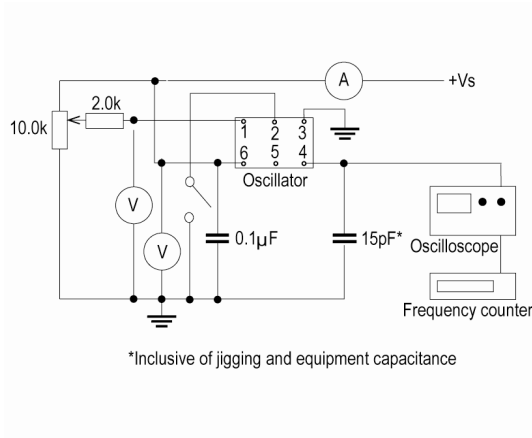
Sales Office Contact Details:

UK: +44 (0)1460 270200
Germany: 0800 1808 443

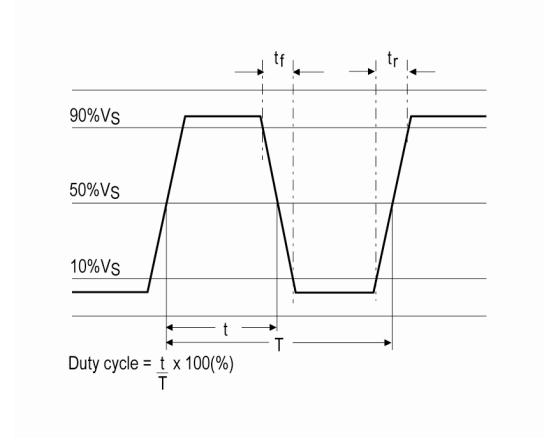
France: 0800 901 383
USA: +1.760.318.2824

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com

Test Circuit



Wave Form



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