

**Description**

- Standard 7 x 5 crystal oscillator
Ceramic package with a seam sealed metal lid, hermetically sealed

Model	CFPS-72
Model Issue number	12

Frequency Parameters

Frequency	48.0MHz
Frequency Tolerance @ 25°C	INCLUSIVE
Frequency Stability	±50.00ppm
Operating Temperature Range	0.00 to 70.00°C
Ageing	±3ppm per year max

Electrical Parameters

Supply Voltage	5.0V
Supply Voltage Tolerance	±10%
Current Draw	50mA max

Output Details

Output Compatibility	HCMOS/TTL
Output Load	50pF max
Rise and Fall time (10% - 90%)	6ns max
Duty Cycle	45/55

Output Control

- Standby Operation
Logic '1' (>70% VS) to pad 1 enables oscillator output
Logic '0' (<30% VS) to pad 1 disables oscillator output; the oscillator output goes to the high impedance state
No connection to pad 1 enables oscillator output
Standby Current: 10µA max

Environmental Parameters

- Shock: MIL-STD-202, Method 213, Condition E
- Vibration: MIL-STD-883, Method 2007, Condition A
- Storage Temperature Range: -55 to 125°C

Compliance

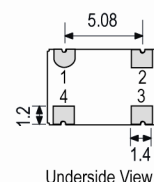
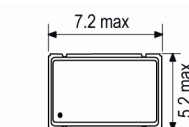
RoHS Status	Compliant
REACH Status	Compliant

Packaging

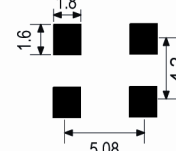
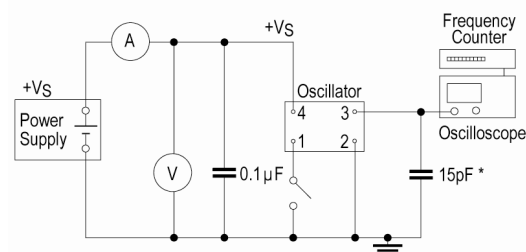
Pack Type: Reel	Tape and reel in accordance with EIA-481-D
Pack Size	1,000

- Alternative packing option available

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

**Outline (mm)**

- Pad Connections
- Standby Operation
 - GND
 - Output
 - +VS

Solder Pad Layout**Test Circuit**

* Inclusive of jigging and equipment capacitance

Sales Office Contact Details:

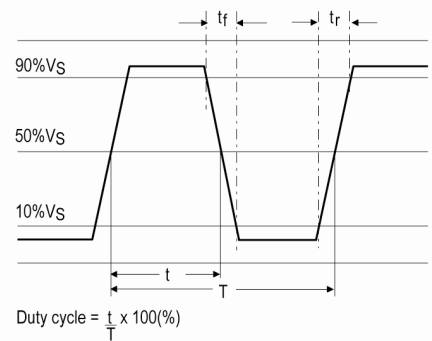
UK: +44 (0)1460 270200
Germany: +49 (0)7264 9145-0

France: +33 (0)5 34 50 91 18
USA: +1 (0) 408 455 2426

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



Wave Form



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UK: +44 (0)1460 270200

Germany: +49 (0)7264 9145-0

France: +33 (0)5 34 50 91 18

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