

**Customer Part:** SPX0018536**Description**

- Standard 7 x 5 crystal oscillator
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-73
- Model Issue number 12

Frequency Parameters

- Frequency 10.0MHz
- Frequency Tolerance @ 25°C INCLUSIVE
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range 0.00 to 70.00°C
- Ageing $\pm 3\text{ppm}$ per year max

Electrical Parameters

- Supply Voltage 3.3V
- Supply Voltage Tolerance $\pm 10\%$
- Current Draw 7mA max

Output Details

- Output Compatibility HCMOS
- Output Load 50pF max
- Rise and Fall time (20% - 80%) 10ns max
- Duty Cycle 45/55

Output Control

- 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: 10 μ A 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

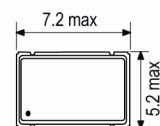
- RoHS Status Compliant
- REACH Status Compliant

Packaging

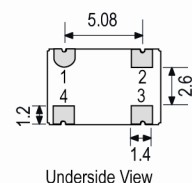
- Pack Type: Reel Tape and reel in accordance with EIA-481-D
- Pack Size 1,000

- Alternative packing option available

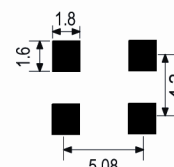
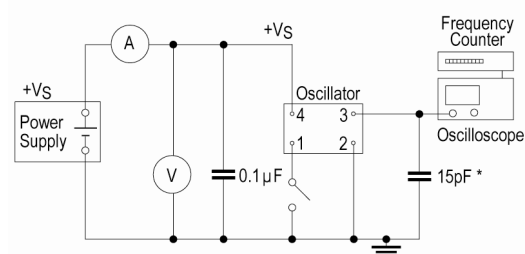
This document is correct at the time of printing; please contact your local office for the latest version.

**Outline (mm)**

Pad Connections
1. Standby Operation
2. GND
3. Output
4. +VS



Underside View

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

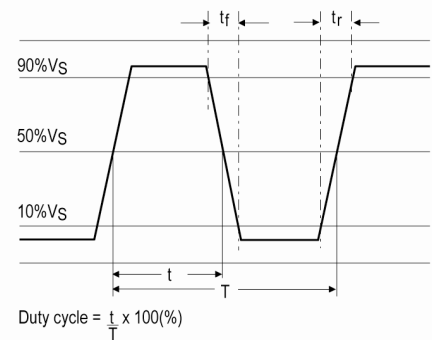
France: +33 (0)5 34 50 91 18

USA: +1 (0) 408 455 2426

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



Wave Form



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