



**Description**

- PLL based, one time only factory programmable (for a fast lead time) crystal oscillator in a hermetically sealed ceramic package with a metal lid.  
 This model is not approved for on-board avionics applications; in such instances our 'CFPP-73 AVIATION' version should be specified.
- Model CFPP-73
- Model Issue number 11

**Frequency Parameters**

- Frequency 25.0MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range 0.00 to 70.00°C
- Ageing ±5ppm max in 1st year @ 25°C

**Electrical Parameters**

- Supply Voltage 3.3V ±0.3V
- Current Draw 25.00mA

**Output Details**

- Output Compatability CMOS
- Drive Capability 30pF max
- Rise and Fall Time 4.0ns max
- Duty Cycle 45/55%
- Logic '1' to pad 1 enables oscillator output  
 Logic '0' to pad 1 disables oscillator output; when disabled the oscillator output goes to the high impedance state  
 No connection to pad 1 enables oscillator output

**Noise Parameters**

- Jitter pk-pk:  
 1 to 33MHz 250ps max  
 >33MHz 175ps max
- Jitter pk-pk:  
 1 to 33MHz 100ps typ  
 >33MHz 75ps typ

**Environmental Parameters**

- Storage Temperature Range: -55 to 125°C

**Compliance**

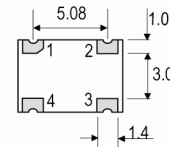
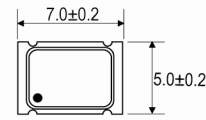
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**Packaging Details**

- Pack Style: Bulk Loose in bulk pack  
 Pack Size: 1
- *Alternative packing option available*



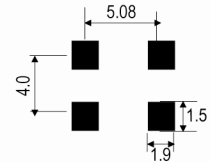
**Outline (mm)**



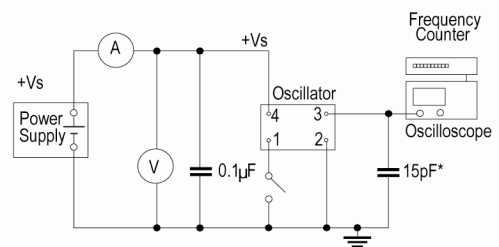
Underside View

- Pad Connections
1. N/C or Tri-State
  2. GND
  3. Output
  4. +Vs

**Solder Pad Layout**



**Test Circuit**



Inclusive of jigging and equipment capacitance

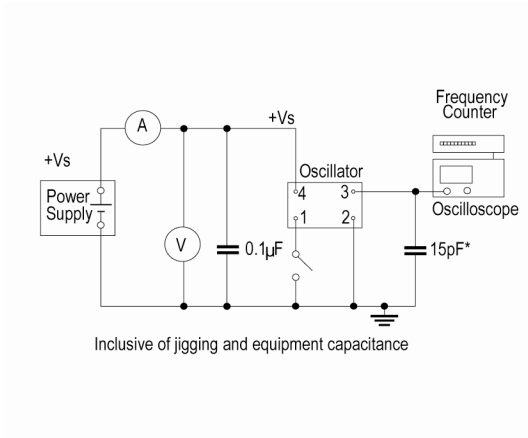
**Sales Office Contact Details:**

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

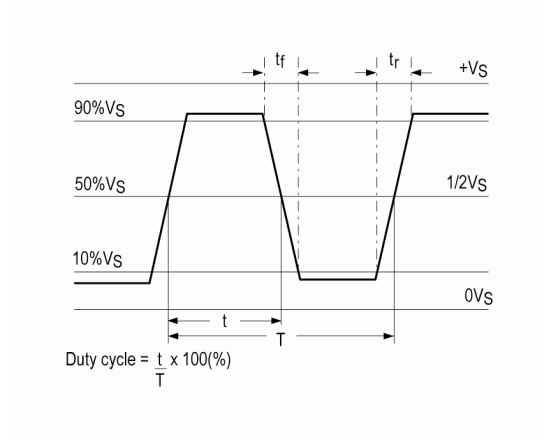
France: 0800 901 383  
 USA: +1.760.318.2824

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)  
 Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)

**Test Circuit**



**Wave Form**



**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](mailto:info@iqdfrequencyproducts.com)  
 Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)