

**Customer Part:**



**Description**

- Standard 7 x 5mm crystal oscillator in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model CFPS-72
- Model Issue number 15

**Frequency Parameters**

- Frequency 50.0MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range 0.00 to 70.00°C
- Ageing ±5ppm per year max

**Electrical Parameters**

- Supply Voltage 5.0V ±10%
- Current Draw 50.000mA
- Note: parameters are referenced to 15pF load

**Output Details**

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 5.0ns max
- Duty Cycle 40/60
- Start up time: 10ms max

**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: Half Sine shock pulse with peak acceleration 500g; Pulse duration: 0.3ms
- Vibration: MIL-STD-202 Method 204. 5g for 20 minutes, 12 cycles in each of the 3 orientations, 10 - 2000 Hz. As per Table 11 of AEC-Q200.
- Storage Temperature Range: -55 to 125°

**Manufacturing Details**

- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C 10s max

**Compliance**

- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

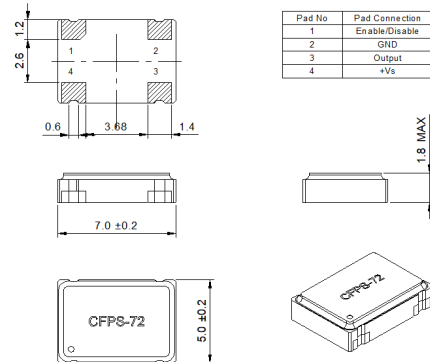
**Packaging Details**

- Tape & reel in accordance with EIA-481  
 Quantities below the standard reel size to be supplied on cut tape.

Standard Pack Quantity: 1,000

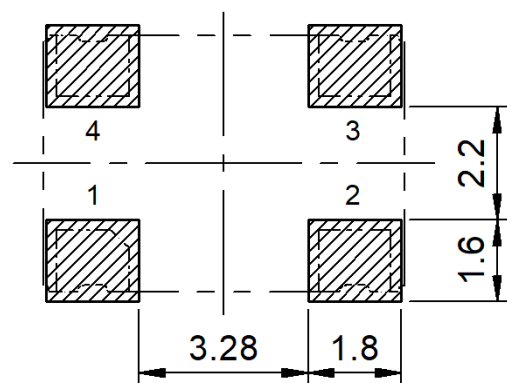


**Outline (mm)**



Note: Please note that due to the availability of ceramic bases in the marketplace, you may see slight cosmetic differences in the appearance of this item; however the electrical performance is unaffected.

**Recommended Solder Pad Layout**



**Sales Office Contact Details:**

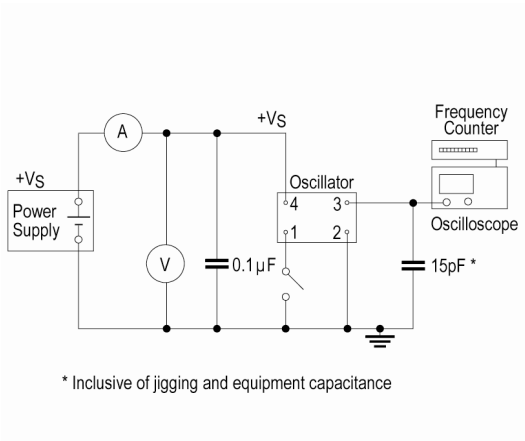
UK: +44 (0)1460 270200

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)

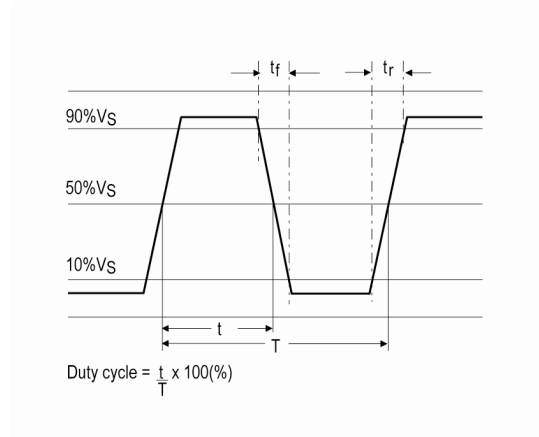
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**Customer Part:**

**Test Circuit**



**Waveform**



**Sales Office Contact Details:**

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