



**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	12.2880MHz
Frequency Tolerance @ 25°C	INCLUSIVE
Frequency Stability	±50.00ppm
Operating Temperature Range	-40.00 to 85.00°C
Ageing	±3ppm per year max

**Electrical Parameters**

Supply Voltage	3.3V
Supply Voltage Tolerance	±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: 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**

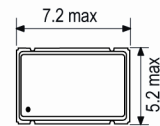
Pack Type: Bulk	Loose in bulk pack
Pack Size	100

- Alternative packing option available

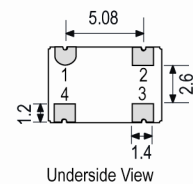
*This document is correct at the time of printing; please contact your local office for the latest version.*



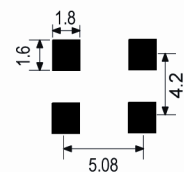
**Outline (mm)**



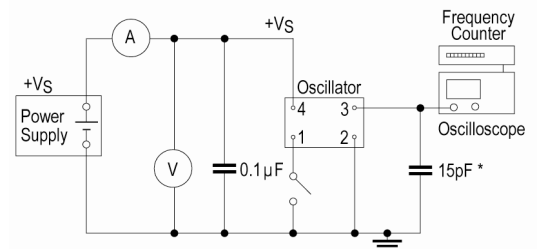
- Pad Connections
- Standby Operation
  - GND
  - Output
  - +VS



**Solder Pad Layout**



**Test Circuit**



\* Inclusive of jigging and equipment capacitance

**Sales Office Contact Details:**

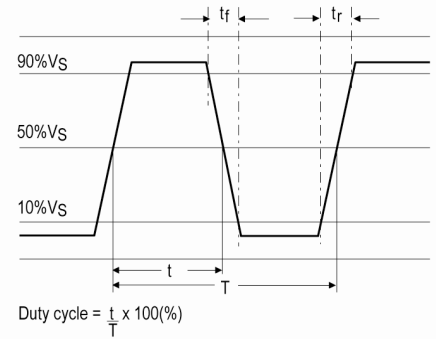
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**Wave Form**



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