

**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	100.0MHz
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	3.3V
Supply Voltage Tolerance	±10%
Current Draw	40mA max

Output Details

Output Compatibility	HCMOS
Output Load	50pF max
Rise and Fall time (20% - 80%)	4ns 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

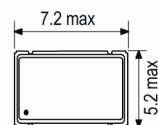
RoHS Status	Compliant
REACH Status	Compliant

Packaging

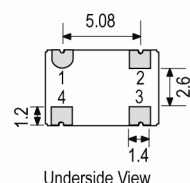
Pack Type: Reel	Tape and reel in accordance with EIA-481-D
Pack Size	1,000

- Alternative packing option available

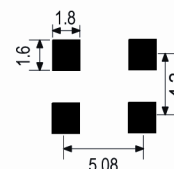
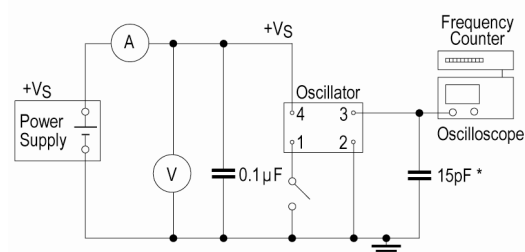
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**Outline (mm)**

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



Underside View

Solder Pad Layout**Test Circuit**

* Inclusive of jigging and equipment capacitance

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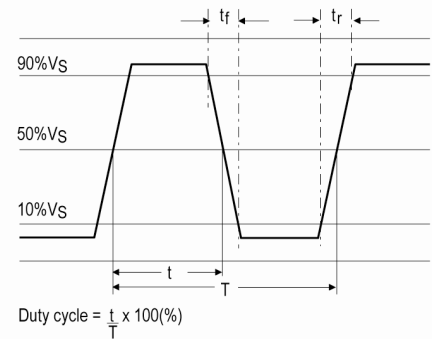
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Wave Form



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