

**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 20.0MHz
- Frequency Tolerance @ 25°C INCLUSIVE
- Frequency Stability $\pm 100.00\text{ppm}$
- 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 12mA 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

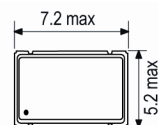
- RoHS Status Compliant
- REACH Status Compliant

Packaging

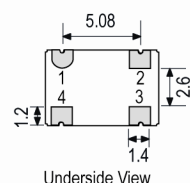
- Pack Type: Bulk Loose in bulk pack
- Pack Size 100

- Alternative packing option available

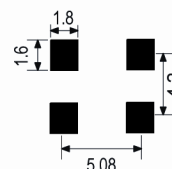
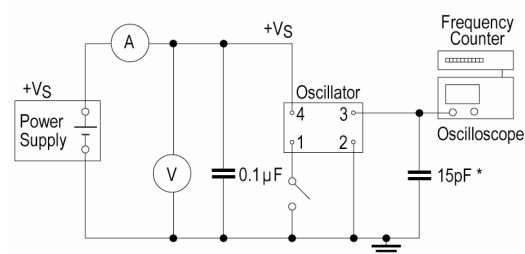
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**Outline (mm)**

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



Underside View

Solder Pad Layout**Test Circuit**

* Inclusive of jigging and equipment capacitance

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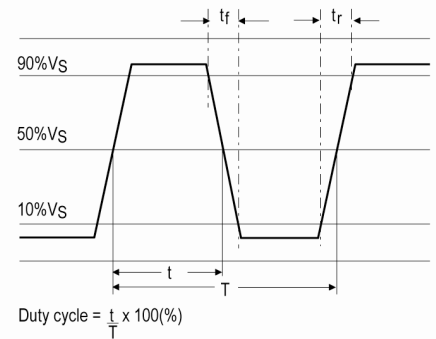
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Wave Form



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