



### Description

- Standard 7 x 5mm 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: ±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: 12mA max

### Output Details

- Output Compatibility: HCMOS
- Output Load: 50pF max
- Rise and Fall time: 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

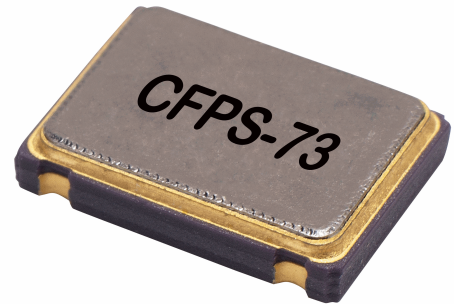
- Shock: MIL-STD-202, Method 213, Condition E
- Vibration: MIL-STD-883, Method 2007, Condition A
- Storage Temperature Range: -55 to 125°C

### Compliance

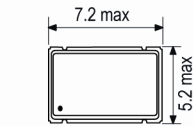
- RoHS Status: Compliant
- REACH Status: Compliant

### Packaging

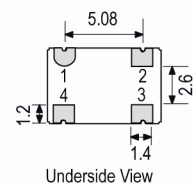
- Pack Type: Reel  
Tape and reel in accordance with EIA-481-D
  - Pack Size: 1,000
  - Alternative packing option available
- This document is correct at the time of printing; please contact your local office for the latest version.*



### Outline (mm)

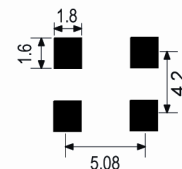


- Pad Connections
- Standby Operation
  - GND
  - Output
  - +Vs

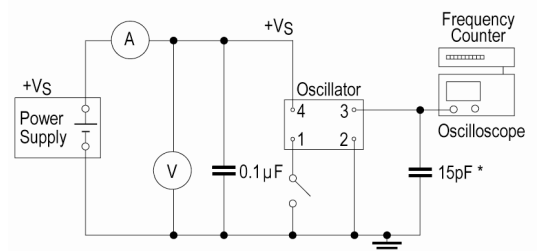


Underside View

### Solder Pad Layout



### Test Circuit



\* Inclusive of jigging and equipment capacitance

### Sales Office Contact Details:

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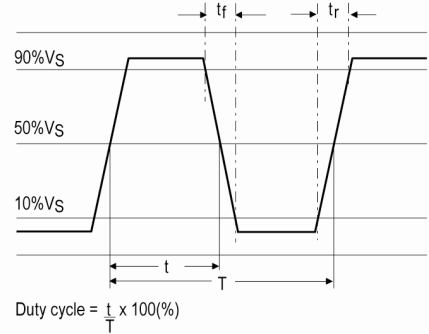
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Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)

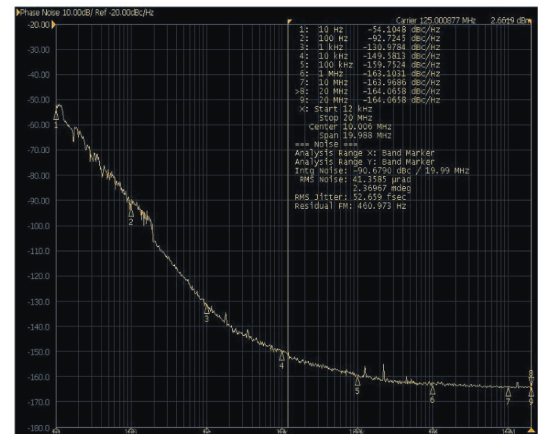
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### Wave Form



### Phaise Noise / Jitter



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