



### 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 8.1920MHz
- 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 7mA 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

### Noise Parameters

- Phase Noise @125MHz (typical):
  - 10Hz -54dBc
  - 100Hz -92dBc
  - 1kHz -130dBc
  - 10kHz -149dBc
  - 100kHz -159dBc
  - 1MHz -163dBc
- RMS Phase Jitter @125MHz: 52fs typical

### 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
- MSL Rating (JDEC-STD-033): Not Applicable

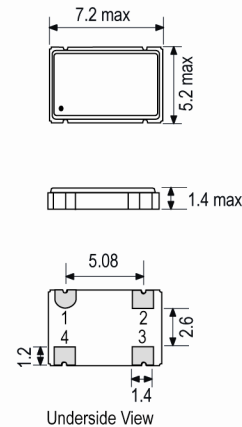
### Packaging

- Pack Type: Cutt In tape, cut from a reel
- Pack Size 10
- Alternative packing option available

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

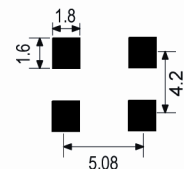


### Outline (mm)

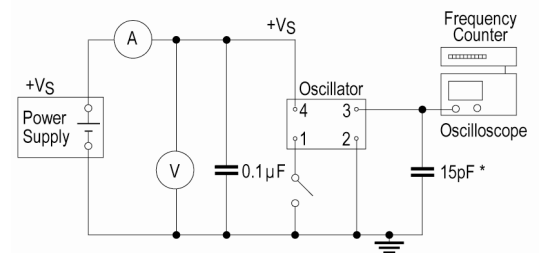


- Pad Connections
- Standby Operation
  - GND
  - Output
  - +Vs

### Solder Pad Layout



### Test Circuit



\* Inclusive of jigging and equipment capacitance

### Sales Office Contact Details:

UK: +44 (0)1460 270200

Germany: +49 (0) 30 408 192 300

France: +33 (0)5 34 50 91 18

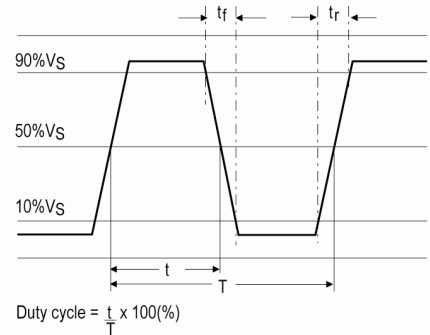
USA: +1 408.273.4530

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

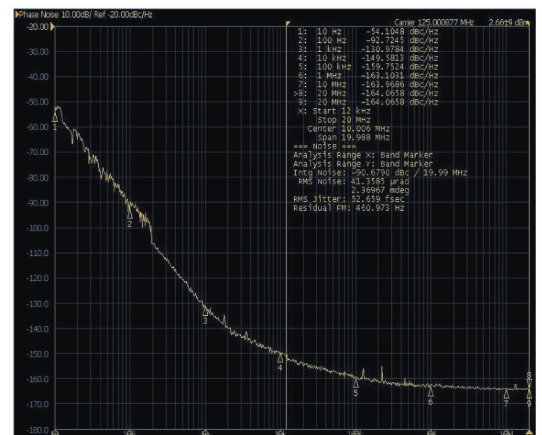
Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)



### Wave Form



### Phase Noise / Jitter



#### Sales Office Contact Details:

UK: +44 (0)1460 270200

Germany: +49 (0) 30 408 192 300

France: +33 (0)5 34 50 91 18

USA: +1 408.273.4530

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

Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [iqd manufacturer](#):*

Other Similar products are found below :

[LFXTAL071761CUTT](#) [LPMC XO063767BULK](#) [LPMC XO063773BULK](#) [LFOC XO063802BULK](#) [LFOC XO063809BULK](#)  
[LFTC XO063709BULK](#) [LFTC XO063710BULK](#) [LFTC XO063779BULK](#) [LFTC XO070028Cutt](#) [LFTV XO063701BULK](#)  
[LFTV XO063702BULK](#) [LFTV XO063703BULK](#) [LFTV XO063707BULK](#) [LFTV XO063791BULK](#) [LF XTAL003156](#) [LPMC XO063766BULK](#)  
[LPMC XO063771BULK](#) [LFOC XO063816BULK](#) [LFTC XO063713BULK](#) [LFTC XO063714BULK](#) [LFTC XO063716BULK](#)  
[LFTV XO063704BULK](#) [LFTV XO063705BULK](#) [LFTV XO063706BULK](#) [LFTV XO063789BULK](#) [LFTV XO063790BULK](#) [LF XTAL003113](#)  
[LFOC XO063809](#) [LFSP XO009581](#) [LFTC XO063784](#) [LFTV XO063786](#) [LFSP XO009686Bulk](#) [LFRB XO059244Bulk](#) [LFTV XO075802Cutt](#)  
[LFOC XO067293Bulk](#) [LFTC XO075792Cutt](#) [LPMC XO064079BULK](#) [LFSP XO071189](#) [LFOC XO067293](#) [LFXTAL012312BULK](#)  
[LFTC XO063780BULK](#) [LFSP XO056269CUTT](#) [LFOC XO063803BULK](#) [LFSP XO009592CUTT](#) [LFOC XO065520Bulk](#) [LFMISC070550Bulk](#)  
[LFSP XO025494Cutt](#) [LPMC XO064080BULK](#) [LFOC XO063804BULK](#) [LFSP XO019884BULK](#)