



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 **50.0MHz**
- Frequency Stability **±50.00ppm**
- Operating Temperature Range **0.00 to 70.00°C**
- Ageing **±3ppm per year max**

Electrical Parameters

- Supply Voltage **3.3V ±10%**
- Current Draw **25.00mA**

Output Details

- Output Compatibility **HCMOS**
- Drive Capability **50pF max**
- Rise and Fall Time **8ns 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 (2011/65/EU) **Compliant**
- REACH Status **Compliant**
- MSL Rating (JDEC-STD-033): **Not Applicable**

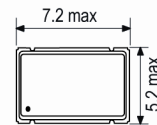
Packaging Details

- Pack Style: Reel **Tape & reel in accordance with EIA-481-D**
Pack Size: 1,000
- Alternative packing option available*

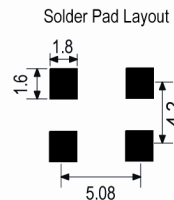
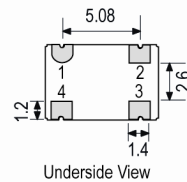
This document is correct at the time of printing; please contact your local office for the latest version.



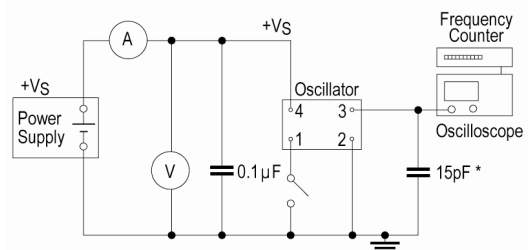
Outline (mm)



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



Test Circuit



* Inclusive of jigging and equipment capacitance

Sales Office Contact Details:

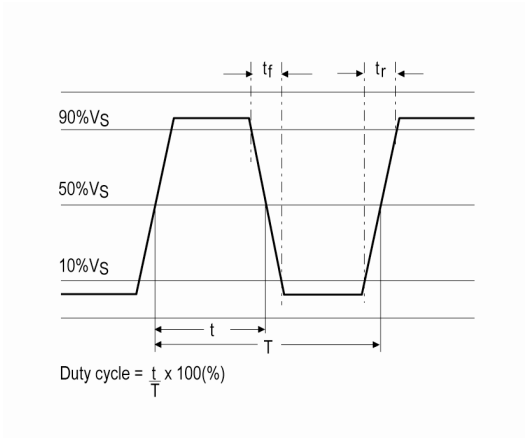
UK: +44 (0)1460 270200
Germany: 0800 1808 443

France: 0800 901 383
USA: +1 408.273.4530

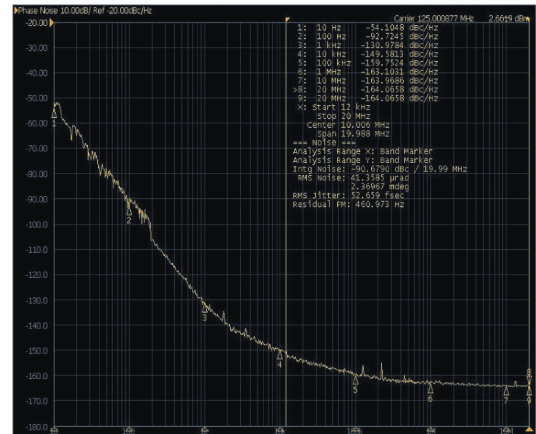
Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com



Wave Form



Phase Noise / Jitter



Sales Office Contact Details:

UK: +44 (0)1460 270200
Germany: 0800 1808 443

France: 0800 901 383
USA: +1 408.273.4530

Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Standard Clock Oscillators](#) category:

Click to view products by [IQD](#) manufacturer:

Other Similar products are found below :

[EP1400SJTSC-125.000M](#) [601137](#) [601252](#) [CSX750FBC-24.000M-UT](#) [CSX750FBC-33.333M-UT](#) [CSX750FCC-3.6864M-UT](#) [F335-12](#) [F335-25](#) [F535L-50](#) [DSC506-03FM2](#) [ASA-20.000MHZ-L-T](#) [ASA-25.000MHZ-L-T](#) [ASA-27.000MHZ-L-T](#) [ASV-20.000MHZ-LR-T](#) [ECS-2018-160-BN-TR](#) [EL13C7-H2F-125.00M](#) [MXO45HS-2C-66.6666MHZ](#) [NBXDBB017LN1TAG](#) [NBXHBA019LN1TAG](#) [SiT1602BI-22-33E-50.000000E](#) [SIT8003AC-11-33S-2.04800X](#) [SiT8256AC-23-33E-156.250000X](#) [SIT8918AA-11-33S-50.000000G](#) [SM4420TEV-40.0M-T1K](#) [SMA4306-TL-H](#) [F335-24](#) [F335-40](#) [F335-50](#) [F535L-10](#) [F535L-12](#) [F535L-16](#) [F535L-24](#) [F535L-27](#) [F535L-48](#) [PE7744DW-100.0M](#) [CSX750FBC-20.000M-UT](#) [CSX-750FBC33333000T](#) [CSX750FBC-4.000M-UT](#) [CSX750FBC-7.3728M-UT](#) [CSX750FBC-8.000M-UT](#) [CSX-750FCC14745600T](#) [CSX750FCC-16.000M-UT](#) [CSX-750FCC40000000T](#) [CSX750FCC-4.000M-UT](#) [ASA-22.000MHZ-L-T](#) [ASA2-26.000MHZ-L-T](#) [ASA-40.000MHZ-L-T](#) [ASA-48.000MHZ-L-T](#) [ASA-60.000MHZ-L-T](#) [ASF1-3.686MHZ-N-K-S](#)