

Customer Part:



Description

- Surface mount 3.2 x 2.5mm crystal oscillator in a hermetically sealed ceramic package with a seam sealed metal lid.
- Model **CFPS-39**
- Model Issue number **6**

Frequency Parameters

- Frequency **24.5760MHz**
- Frequency Stability **±50.00ppm**
- Operating Temperature Range **-40.00 to 85.00°C**
- Ageing **±3ppm max per year @ 25°C**

Electrical Parameters

- Supply Voltage **3.3V ±10%**
- Current Draw **12.000mA**

Output Details

- Output Compatibility **CMOS**
- Drive Capability **15pF max**
- Rise and Fall Time **5.0ns max**
- Duty Cycle **45/55%**
- Output Low Vol: 10% Vs max
Output High Voh: 90% Vs min
- Start-Up Time: 10ms max.
0.7ms typ to 90% of final amplitude (under ideal conditions @ 25°C)

Output Control

- Standby Operation:
Logic '1' (>70% Vs) to pad 1 enables oscillator output
Logic '0' (<30% Vs) to pad 1 disables oscillator output; when disabled the oscillator output goes to the high impedance state
No connection to pad 1 enables oscillator output
Standby Current: 10µA max

Environmental Parameters

- Storage Temperature Range: **-55 to 125°C**
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine wave
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20g (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs)

Manufacturing Details

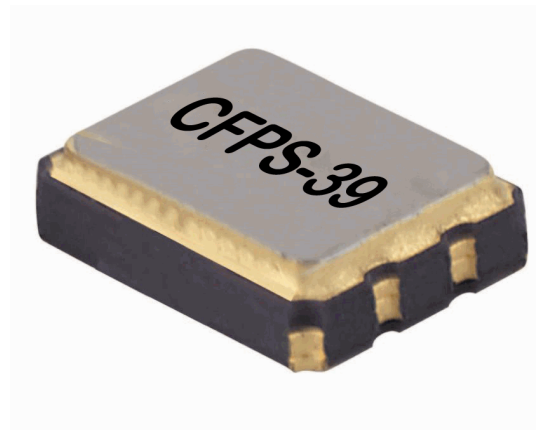
- RoHS Terminations **NiAu**
- RoHS Reflow Temp **260degC max for 10s max**

Compliance

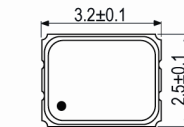
- RoHS Status (2015/863/EU) **Compliant**
- REACH Status **Compliant**
- MSL Rating (JDEC-STD-033): **Not Applicable**

Packaging Details

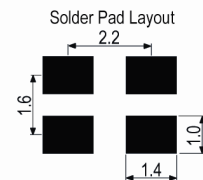
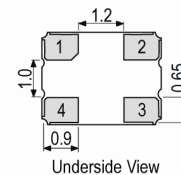
- Pack Style: **Cutt** In tape, cut from a reel
- Pack Size: **100**



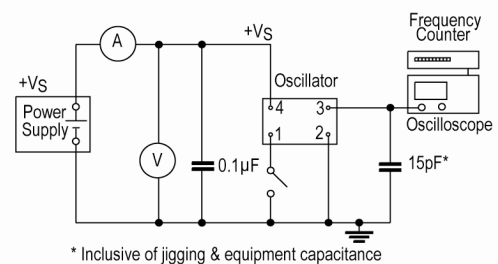
Outline (mm)



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



Test Circuit



Sales Office Contact Details:

UK: +44 (0)1460 270200

France: 0800 901 383

Email: info@iqdfrequencyproducts.com

Germany: 0800 1808 443

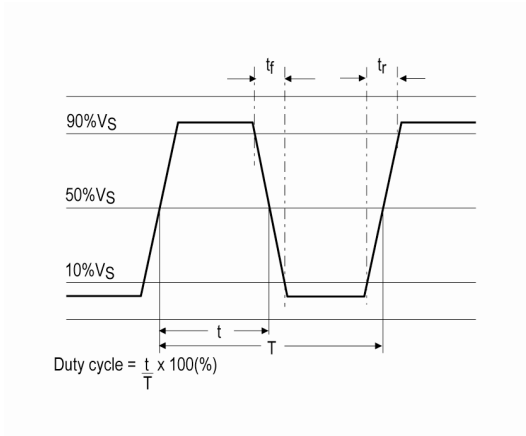
USA: +1.760.318.2824

Web: www.iqdfrequencyproducts.com

Customer Part:

- *Alternative packing option available*

Wave Form



Sales Office Contact Details:

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

France: 0800 901 383
USA: +1.760.318.2824

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 :

[601252](#) [F335-25](#) [F535L-33.333](#) [F535L-50](#) [ECS-2018-160-BN-TR](#) [MXO45HS-2C-66.6666MHZ](#) [SiT1602BI-22-33E-50.000000E](#) [SiT8209AI-32-33E-125.000000](#) [SIT8918AA-11-33S-50.000000G](#) [SM4420TEV-40.0M-T1K](#) [F335-24](#) [F335-40](#) [F535L-10](#) [F535L-12](#) [F535L-16](#) [F535L-24](#) [F535L-27](#) [F535L-48](#) [PE7744DW-100.0M](#) [CSX-750FCC14745600T](#) [ASF1-3.686MHZ-N-K-S](#) [XO57CTECNA3M6864](#) [ECS-2100A-147.4](#) [601251](#) [EP16E7E2H26.000MTR](#) [SIT8918AA-11-33S-16.000000G](#) [XO3003](#) [9120AC-2D2-33E212.500000](#) [9102AI-243N25E100.00000](#) [8208AC-82-18E-25.00000](#) [ASDK2-32.768KHZ-LR-T3](#) [8008AI-72-XXE-24.545454E](#) [8004AC-13-33E-133.33000X](#) [AS-4.9152-16-SMD-TR](#) [ASFL1-48.000MHZ-LC-T](#) [SIT8920AM-31-33E-25.0000](#) [DSC1028DI2-019.2000](#) [9121AC-2C3-25E100.00000](#) [9102AI-233N33E100.00000X](#) [9102AI-233N25E200.00000](#) [9102AI-232H25S125.00000](#) [9102AI-133N25E200.00000](#) [9102AC-283N25E200.00000](#) [9001AC-33-33E1-30.000](#) [3921AI-2CF-33NZ125.000000](#) [5730-1SF](#) [PXA000010](#) [8003AI-12-33S-40.00000Y](#) [1602BI-13-33S-19.200000E](#) [8208AI-2F-18E-25.000000X](#)