

Customer Part:



Description

- Surface mount oscillator in a ceramic package with a hermetically sealed metal lid
- Model CFPS-31
- Model Issue number 8

Frequency Parameters

- Frequency 10.0MHz
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -10.00 to 70.00°C

Electrical Parameters

- Supply Voltage $1.8\text{V} \pm 5\%$
- Current Draw 6.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 5.0ns max
- Duty Cycle 40/60

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: $10\mu\text{A}$ max

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Drop Test: in accordance with JIS-C0044: The specimen is measured for its frequency before the test. It is then dropped from a height of 75 cm or more as a free fall object onto a hard wooden plate of 30 mm or more in thickness.
- Vibration: MIL-STD-883F :2007.3 : Freq.range: 20~2000Hz;
Peak to peak amplitude: 1.52mm ; Peak acceleration: 20g ;
Sweep time: 3 directions (X, Y, Z), each 20 minutes / axis;
Pendicular test time: 4 hours

Manufacturing Details

- RoHS Terminations Au / $0.3\mu\text{m}$ min.
- RoHS Reflow Temp 255°C 30s max

Compliance

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

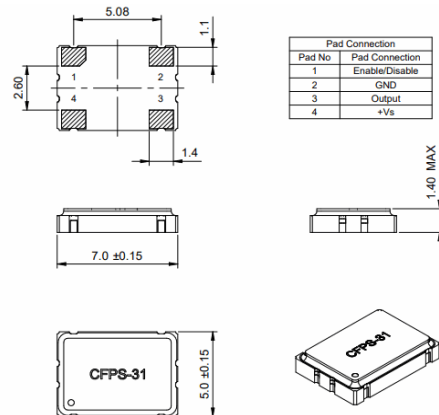
Packaging Details

- Tape & reel in accordance with EIA-481
Quantities below the standard reel size to be supplied on cut tape

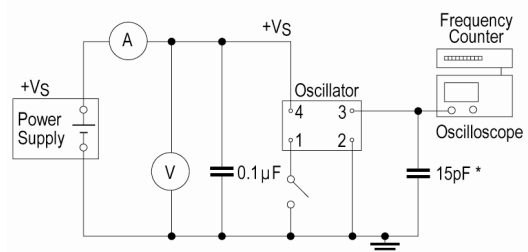
Standard Pack Quantity: 1,000



Outline (mm)



Test Circuit



* Inclusive of jigging and equipment capacitance

Sales Office Contact Details:

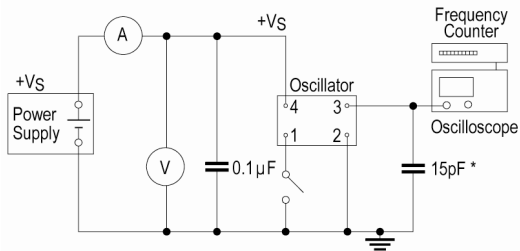
UK: +44 (0)1460 270200

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com

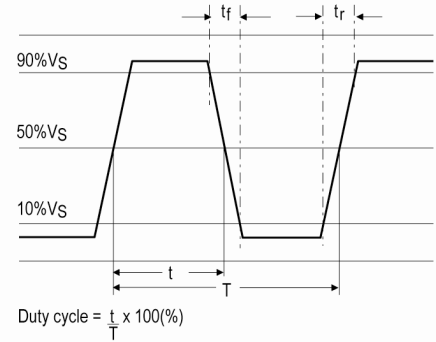
Customer Part:

Test Circuit



* Inclusive of jigging and equipment capacitance

Wave Form



Sales Office Contact Details:

UK: +44 (0)1460 270200

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com