



## Description

- Surface mount oscillator in a ceramic package with a hermetically sealed metal lid
- Model: CFPS-31
- Model Issue number: 5

## Frequency Parameters

- Frequency: 27.0MHz
- Frequency Stability:  $\pm 50.00\text{ppm}$
- Operating Temperature Range:  $-40.00$  to  $85.00^\circ\text{C}$

## Electrical Parameters

- Supply Voltage:  $1.8\text{V} \pm 5\%$
- Current Draw:  $6.00\text{mA}$

## Output Details

- Output Compatibility: CMOS
- Drive Capability:  $15\text{pF}$  max
- Rise and Fall Time:  $5.0\text{ns}$  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  $125^\circ\text{C}$
- Shock: MIL-STD-202, Method 213, Condition E
- Vibration: MIL-STD-883, Method 2007, Condition A

## Compliance

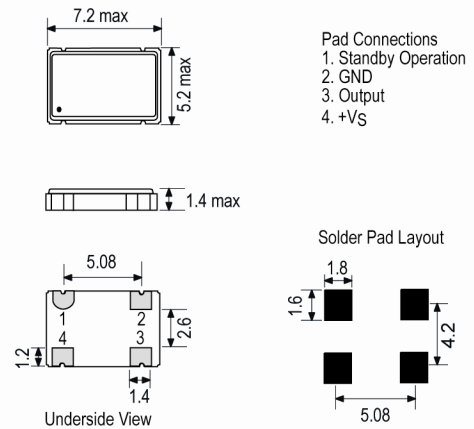
- RoHS Status (2011/65/EU): Compliant
- REACH Status: Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

## Packaging Details

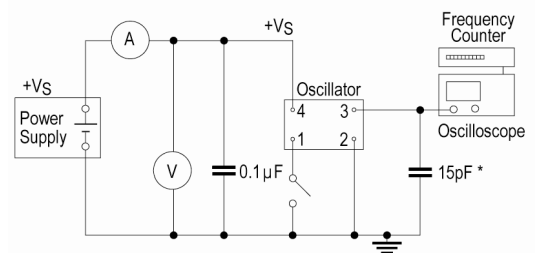
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
- Pack Size: 1,000
- Alternative packing option available



## Outline (mm)



## Test Circuit



\* Inclusive of jigging and equipment capacitance

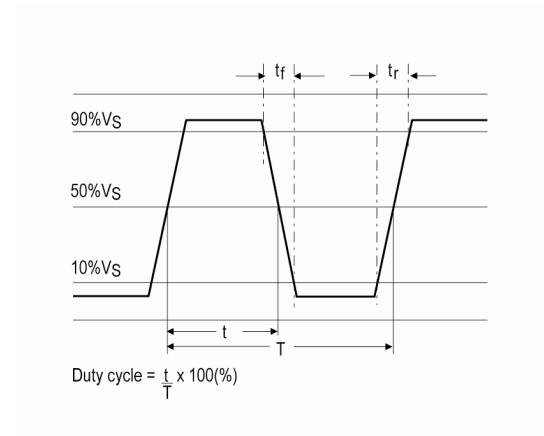
## Sales Office Contact Details:

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

France: 0800 901 383  
USA: +1.760.318.2824

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)  
Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)

**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](mailto:info@iqdfrequencyproducts.com)  
Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[IQD Frequency Products:](#)

[LFSPX0025224Reel](#)