


Description

- Low supply current crystal oscillators
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPS-69
- Model Issue number 5

Frequency Parameters

- Frequency 3.68640MHz
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Ageing ±3ppm max per year

Electrical Parameters

- Supply Voltage 3.3V ±5%
- Current Draw 4.50mA
- Standby Current: 1µA max

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 12.0ns max
- Duty Cycle 45/55%

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 the oscillator output goes to the high impedance state
No connection to pad 1 enables oscillator output

Environmental Parameters

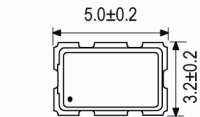
- Storage Temperature Range: -55 to 125°C
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine wave
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs)

Compliance

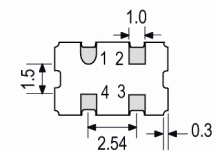
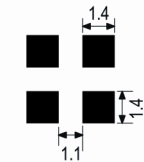
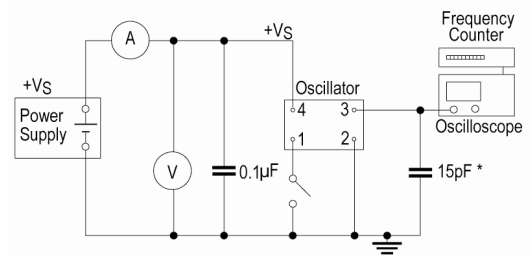
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: *Cutt* In tape, cut from a reel
- Pack Size: 1
- *Alternative packing option available*


Outline (mm)


- Pad Connections
1. Standby Operation
 2. GND
 3. Output
 4. +VS


Solder Pad Layout

Test Circuit


* Inclusive of jigging and equipment capacitance

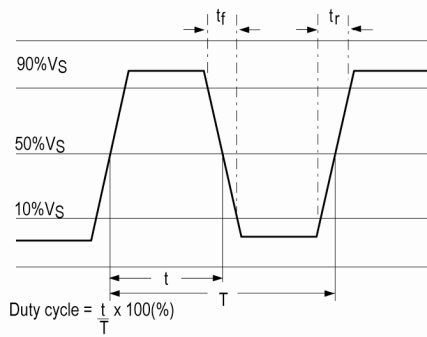
Sales Office Contact Details:

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

France: 0800 901 383
USA: +1.760.318.2824

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

Wave Form



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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