

Customer Part:

Description

- Standard 7 x 5mm, 2.5V surface mount oscillator in a ceramic package, with a hermetically sealed metal lid.
- Model CFPS-32
- Model Issue number 14

Frequency Parameters

- Frequency 100.0MHz
- Frequency Stability $\pm 25.00\text{ppm}$
- Operating Temperature Range -10.00 to 70.00°C
- Ageing $\pm 3\text{ppm}$ per year

Electrical Parameters

- Supply Voltage $2.5\text{V} \pm 5\%$
- Current Draw 30.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 3.0ns max
- Duty Cycle 40/60

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: 10 μA max

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock: MIL-STD-202, Method 213, Condition E.
- Vibration: MIL-STD-883, Method 2007, Condition A.

Manufacturing Details

- RoHS Terminations Ni, Au
- RoHS Reflow Temp 260°C max for 30 seconds max

Compliance

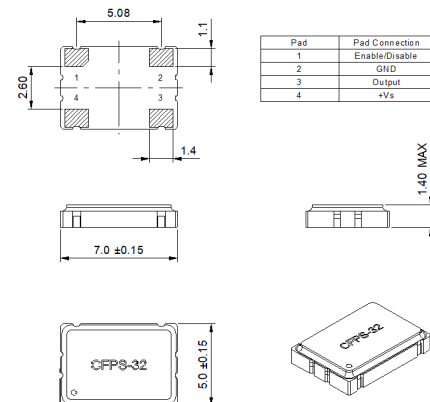
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

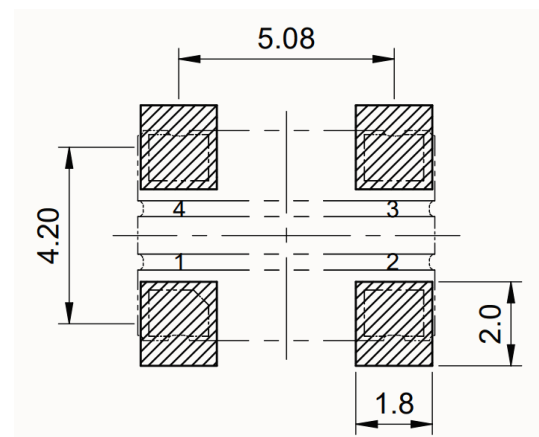
- Tape & reel in accordance with EIA-481
Quantities below the standard reel size to be supplied on cut tape
- Standard Pack Quantity: 1,000



Outline (mm)



Recommended Solder Pad Layout



Sales Office Contact Details:

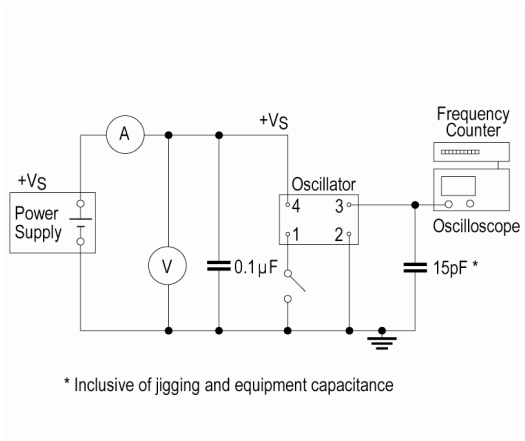
UK: +44 (0)1460 270200

Email: info@iqdfrequencyproducts.com

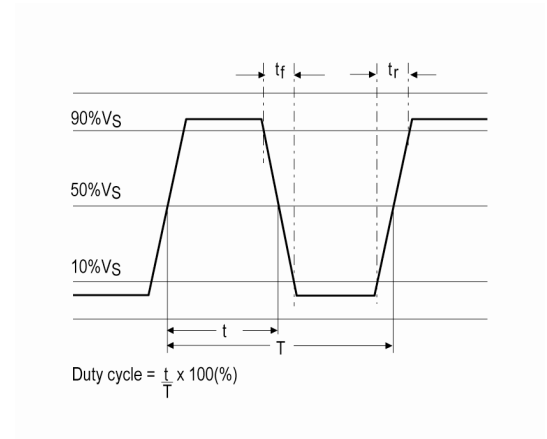
Web: www.iqdfrequencyproducts.com

Customer Part:

Test Circuit:



Waveform:



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