

Customer Part:



Description

- Surface mount oscillator in a ceramic package with a hermetically sealed metal lid
- Model CFPS-32
- Model Issue number 13

Frequency Parameters

- Frequency 50.0MHz
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C

Electrical Parameters

- Supply Voltage $2.5\text{V} \pm 5\%$
- Current Draw 20.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 15pF max
- Rise and Fall Time 4.0ns 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 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 NiAu
- RoHS Reflow Temp 260degC 10s

Compliance

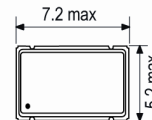
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

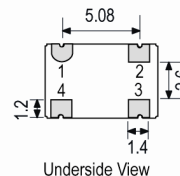
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
Pack Size: 1,000
- Alternative packing option available



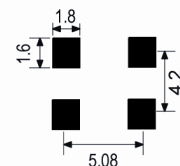
Outline (mm)



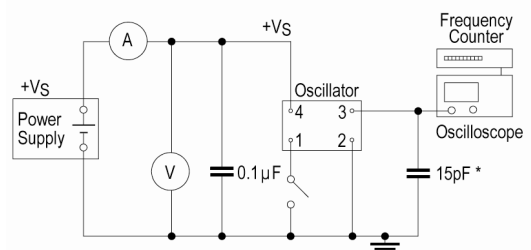
Pad Connections
1. Standby Operation
2. GND
3. Output
4. +VS



Solder Pad Layout



Test Circuit



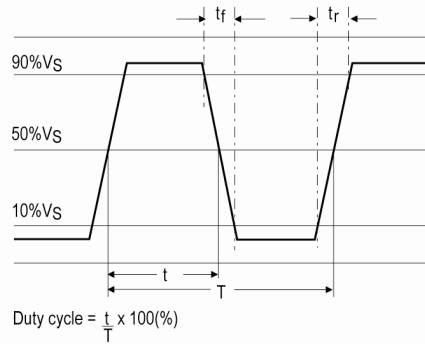
* Inclusive of jigging and equipment capacitance

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