

**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 25.0MHz
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range  $-40.00$  to  $85.00^\circ\text{C}$

**Electrical Parameters**

- Supply Voltage  $2.5\text{V} \pm 5\%$
- Current Draw  $8.000\text{mA}$

**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

**Manufacturing Details**

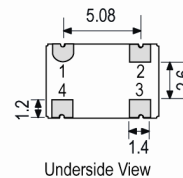
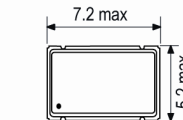
- RoHS Terminations NiAu
- RoHS Reflow Temp  $260\text{degC}$  10s

**Compliance**

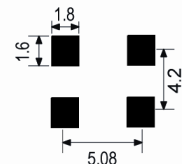
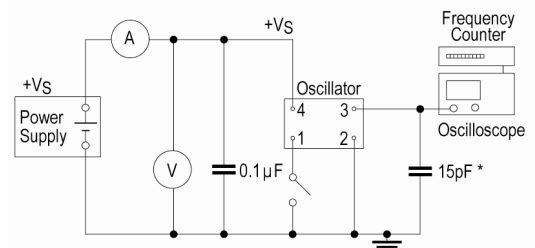
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JEDEC-STD-033): Not Applicable

**Packaging Details**

- Pack Style: Bulk Loose in bulk pack  
Pack Size: 100
- *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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**Customer Part:**

**Wave Form**



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