



## 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  $85.00^{\circ}\text{C}$

## Electrical Parameters

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

## Output Details

- Output Compatibility CMOS
- Drive Capability  $15\text{pF}$  max
- Rise and Fall Time  $4.0\text{ns}$  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  $260^{\circ}\text{C}$  10s

## Compliance

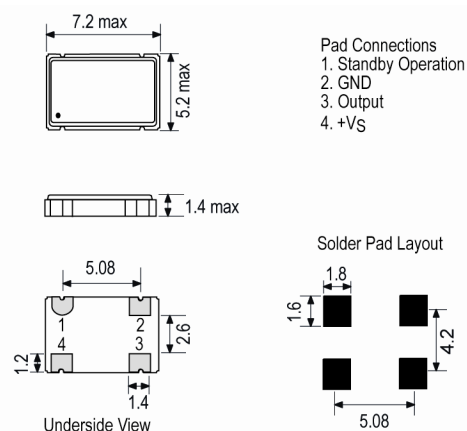
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

## Packaging Details

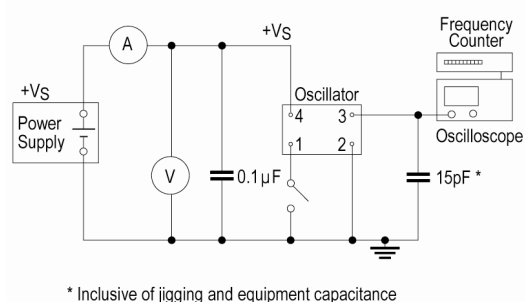
- Pack Style: Bulk Loose in bulk pack
- Pack Size: 100
- Alternative packing option available



## Outline (mm)



## Test Circuit



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