

### 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  $-10.00$  to  $70.00^\circ\text{C}$

#### 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  $260^\circ\text{C}$  10s

#### Compliance

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

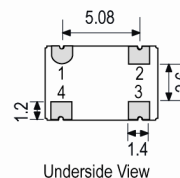
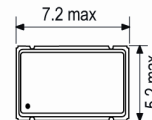
#### Packaging Details

- Tape & reel in accordance with EIA-481  
Quantities below the standard reel size to be supplied on cut tape

Standard Pack Quantity: 1,000

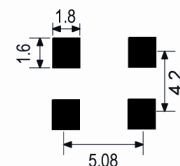


#### Outline (mm)

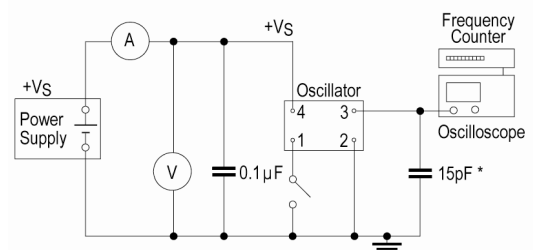


Pad Connections  
1. Standby Operation  
2. GND  
3. Output  
4. +VS

#### Solder Pad Layout



#### Test Circuit



\* Inclusive of jigging and equipment capacitance

#### Sales Office Contact Details:

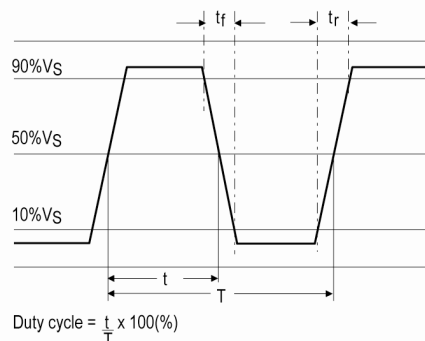
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### Customer Part:

### Wave Form



### Sales Office Contact Details:

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