



Description

- Surface mount oscillator in a ceramic package with a hermetically sealed metal lid
- Model: CFPS-31
- Model Issue number: 5

Frequency Parameters

- Frequency: 12.0MHz
- Frequency Stability: $\pm 50.00\text{ppm}$
- Operating Temperature Range: -10.00 to 70.00°C

Electrical Parameters

- Supply Voltage: $1.8\text{V} \pm 5\%$
- Current Draw: 6.00mA

Output Details

- Output Compatibility: CMOS
- Drive Capability: 15pF max
- Rise and Fall Time: 5.0ns 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: $10\mu\text{A}$ 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

Compliance

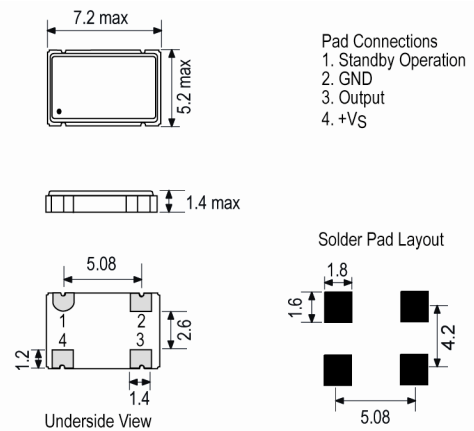
- RoHS Status (2011/65/EU): Compliant
- REACH Status: Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

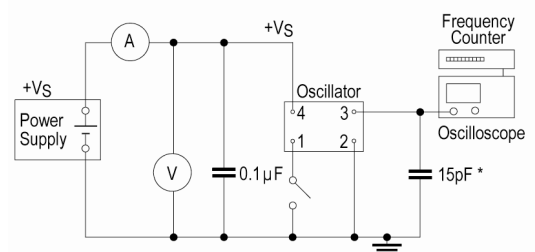
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
- Pack Size: 1,000
- Alternative packing option available



Outline (mm)



Test Circuit



* Inclusive of jigging and equipment capacitance

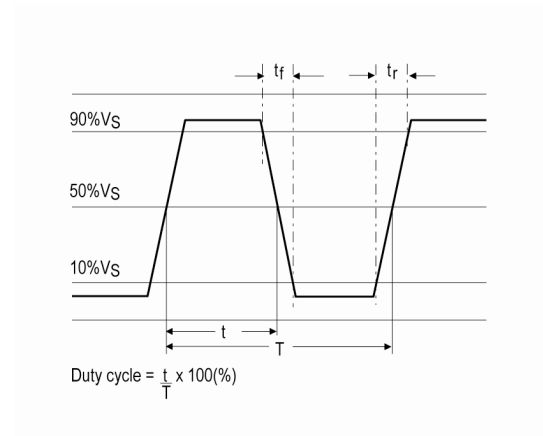
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Wave Form



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