



Description

- PLL based, one time only factory programmable (for a fast lead time) crystal oscillator in a plastic encapsulated 'J' leaded SMD package.
This model is not approved for on-board avionics applications; in such instances our 'CFPP-57 AVIATION' version should be specified.
- Model CFPP-57
- Model Issue number 9

Frequency Parameters

- Frequency 16.3840MHz
- Frequency Stability $\pm 100.00\text{ppm}$
- Operating Temperature Range 0.00 to 70.00°C
- Ageing $\pm 5\text{ppm}$ max in 1st year

Electrical Parameters

- Supply Voltage 5.0V $\pm 0.5\text{V}$
- Current Draw 45.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 50pF
- Rise and Fall Time 4.0ns max
- Duty Cycle 45/55%

Output Control

- Tri-state Operation:
Logic '1' to pad 1 enables oscillator output
Logic '0' to pad 1 disables oscillator output; when disabled the oscillator output goes to the higher impedance state
No connection to pad 1 enables oscillator output

Noise Parameters

- Jitter pk-pk (typical):
1 to 33MHz: 100ps
>33MHz: 75ps
- Jitter pk-pk (max):
1 to 33MHz: 250ps
>33MHz: 175ps

Environmental Parameters

- Storage Temperature Range: -55 to 125°C

Manufacturing Details

- RoHS Terminations Matte Sn
- RoHS Reflow Temp 260degC 10s

Compliance

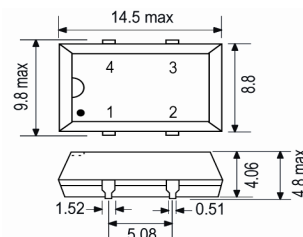
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): 1

Packaging Details

- Pack Style: Bulk Loose in bulk pack
Pack Size: 1
- Alternative packing option available

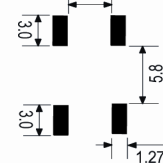


Outline (mm)

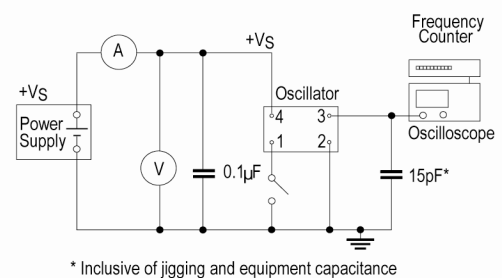


Pad Connections
1. N/C or Tri-State
2. GND
3. Output
4. +Vs

Solder Pad Layout



Test Circuit

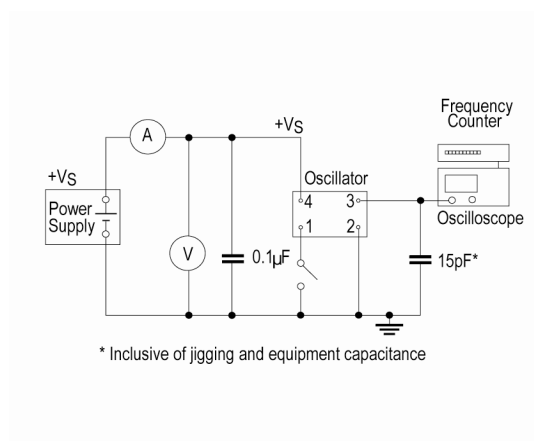
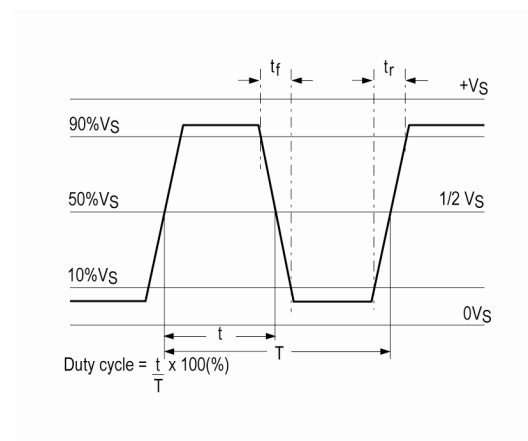


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Test Circuit

Wave Form

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