



Description

- PLL based, one time only factory programmable (for a fast lead time) crystal oscillator in a hermetically sealed ceramic package with a metal lid.
This model is not approved for on-board avionics applications; in such instances our 'CFPP-73 AVIATION' version should be specified.
- Model CFPP-73
- Model Issue number 11

Frequency Parameters

- Frequency 29.6960MHz
- Frequency Stability $\pm 25.00\text{ppm}$
- Operating Temperature Range 0.00 to 70.00°C
- Ageing $\pm 5\text{ppm}$ max in 1st year @ 25°C

Electrical Parameters

- Supply Voltage 3.3V $\pm 0.3\text{V}$
- Current Draw 25.000mA

Output Details

- Output Compatibility CMOS
- Drive Capability 30pF max
- Rise and Fall Time 4.0ns max
- Duty Cycle 45/55%
- Logic '1' to pad 1 enables oscillator output
Logic '0' to pad 1 disables oscillator output; when disabled the oscillator output goes to the high impedance state
No connection to pad 1 enables oscillator output

Noise Parameters

- Jitter pk-pk:
1 to 33MHz 250ps max
>33MHz 175ps max
- Jitter pk-pk:
1 to 33MHz 100ps typ
>33MHz 75ps typ

Environmental Parameters

- Storage Temperature Range: -55 to 125°C

Manufacturing Details

- RoHS Terminations Au
- RoHS Reflow Temp 260degC 10s

Compliance

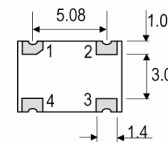
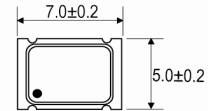
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

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



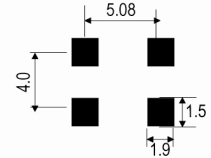
Outline (mm)



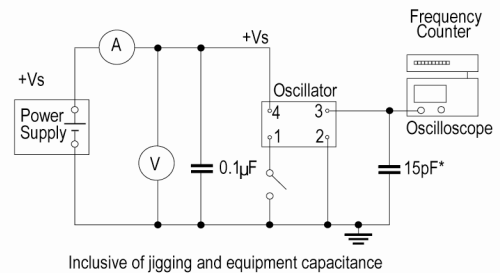
Underside View

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

Solder Pad Layout



Test Circuit

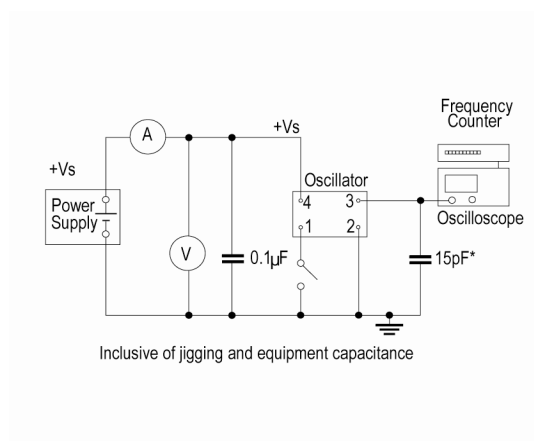
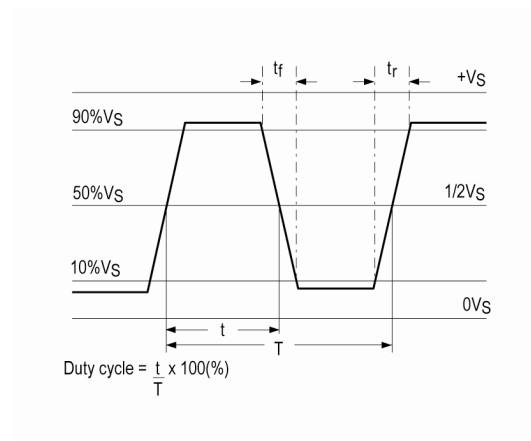


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Test Circuit

Wave Form

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