


Description

- PLL based, one time only factory programmable (for a fast lead time) crystal oscillator in a hermetically sealed 8-pin DIL metal package.
This model is not approved for on-board avionics applications; in such instances our 'CFPP-23 AVIATION' version should be specified.
- Model CFPP-23
- Model Issue number 11

Frequency Parameters

- Frequency 40.0MHz
- Frequency Stability $\pm 25.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Ageing $\pm 5\text{ppm}$ max in 1st year @ 25°C

Electrical Parameters

- Supply Voltage $5.0\text{V} \pm 0.5\text{V}$
- Current Draw 45.00mA

Output Details

- Output Compatibility CMOS
- Drive Capability 50pF
- Rise and Fall Time 4.0ns max
- Duty Cycle $45/55\%$
- Logic '1' to pin 1 enables oscillator output
Logic '0' to pin 1 disables oscillator output; when disabled the oscillator output goes to the high impedance state
No connection to pin 1 enables oscillator output

Noise Parameters

- Jitter pk-pk (typical)
 - 1 to 33MHz $>33\text{MHz}$
 - 100ps 75ps
- Jitter pk-pk (max)
 - 1 to 33MHz $>33\text{MHz}$
 - 250ps 175ps

Environmental Parameters

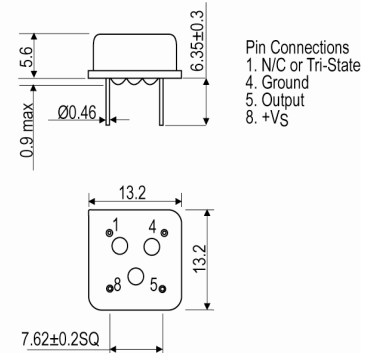
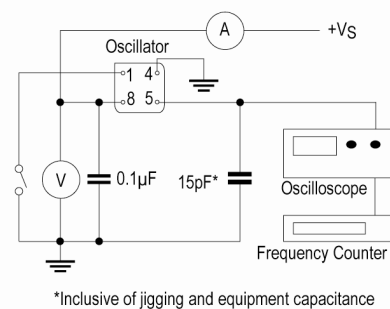
- Storage Temperature Range: -55 to 125°C

Compliance

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

Packaging Details

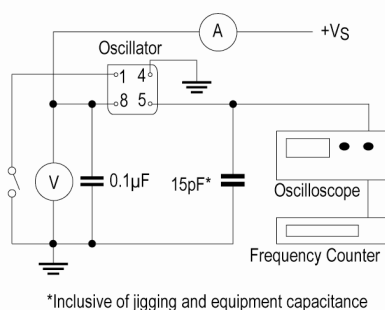
- Pack Style: Bulk Loose in bulk pack
Pack Size: 1
- *Alternative packing option available*


Outline (mm)

Test Circuit

Sales Office Contact Details:

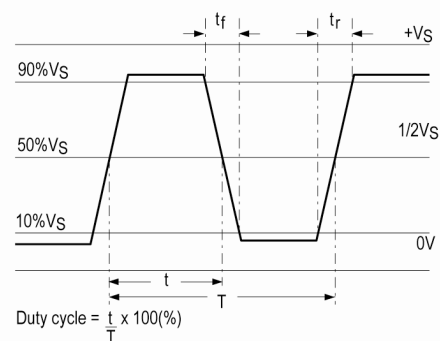
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Test Circuit


* Inclusive of jigging and equipment capacitance

Wave Form

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