

CFPP-800 FAST MAKE OSCILLATORS

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Description

- PLL based, one time only factory programmable for a fast lead time
- Voltage controlled to give a pullable output frequency (VCXO)
- Crystal oscillator in an unsealed package with a metal lid

Frequency Range

- 1 to 200MHz

Output Compatibility & Load

- Tri-state CMOS
- Drive Capability 15pF max

Supply Voltage

- 3.3V

Frequency Stability

- ± 50 ppm

Operating Temperature Range

- -30 to 75°C

Storage Temperature Range

- -55 to 125°C

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 high impedance state
- No connection to pad 1 enables oscillator output

Voltage Control (pad 6)

- $+1.65\text{V} \pm 1.65\text{V}$

Pullability

- ± 100 ppm min

Linearity

- 10% max

Input Impedance (Voltage Control pad 6)

- $>10\text{k}\Omega$

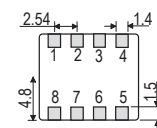
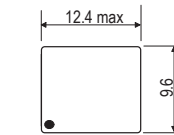
Ageing

- ± 5 ppm max in 1st year @ 25°C , $V_S = 3.3\text{V}$

Packaging

- Loose in bulk pack, 1pc per bag
- Tape and reel in accordance with EIA-481-D, 1kpcs per reel (please see pages 372 & 373)

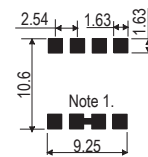
Outline (mm)



Pad Connection

1. Tri-State
2. Connect to pad 3
3. Connect to pad 2
4. GND
5. Output
6. V Control
7. Factory use (make no connection)
8. +VS

Solder Pad Layout



Note 1. Connect pad 2 to pad 3

Ordering Information (*minimum required)

- Frequency*
- Model*
- Output Compatibility
- Frequency Stability (over operating temperature range)*
- Operating Temperature Range*
- Supply Voltage
- Pullability

Example

- 50.00MHz CFPP-800
CMOS ± 50 ppm -30 to 75°C 3.3V ± 100 ppm min



Electrical Specifications - maximum limiting values

Frequency Range	Frequency Stability	Supply Voltage	Supply Current	Pullability	Duty Cycle	Model Number
1.0 to <100.0MHz	±50ppm	3.3V ±5%	40mA	±100ppm min	45/55%	CFPP-800
100.0 to 200.0MHz					40/60%	
Note: For other frequency/specification combinations, please contact our sales offices						

Test Circuit

