



CFPP-600, -601 FAST MAKE OSCILLATORS

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Description

- PLL based, one time only factory programmable for a fast lead time
- Crystal oscillator in an unsealed package with a metal lid

Frequency Range

- 1 to 133MHz

Output Compatibility & Load

- PECL or LVPECL
- Output Load 50Ω terminated to $V_S - 2.0V$

Supply Voltages

- 5.0V CFPP-600
- 3.3V CFPP-601

Standard Frequency Stabilities

- ±50ppm, ±100ppm

Operating Temperature Ranges

- 0 to 70°C
- -40 to 85°C

Storage Temperature Range

- -55 to 125°C

Tri-state Operation (CMOS Levels)

- 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

Ageing

- ±5ppm typical in 1st year @ 25°C, $V_S = 3.3V$

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)

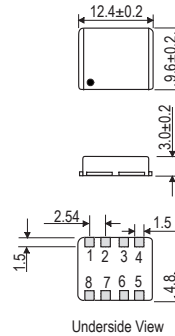
Ordering Information (*minimum required)

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

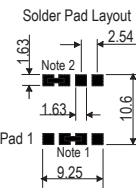
Example

- 20.00MHz CFPP-601
LVPECL ±50ppm -40 to 85C 3.3V

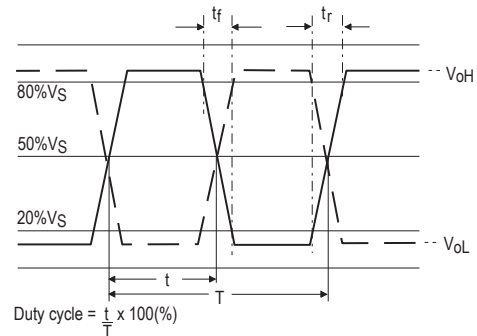
Outline (mm)



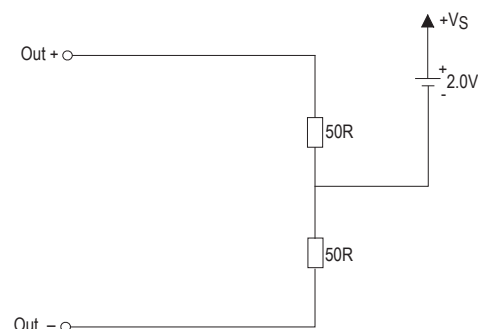
- Pad Connections
1. N/C or Tri-State
 2. Connect to pad 3
 3. Connect to pad 2
 4. GND
 5. PECL-
 6. PECL+
 7. + V_S
 8. + V_S



Output Waveform



Test Circuit





Electrical Specifications - maximum limiting values

Frequency Range	Frequency Stability	Supply Voltage	Supply Current	Rise Time (tr) (20-80%)	Fall Time (tf) (80-20%)	Model Number
1.0 to 133.0MHz	±50ppm ±100ppm	5.0V ±5%	100mA	1.5ns	1.5ns	CFPP-600
		3.3V ±5%				CFPP-601
Note: For other frequency/specification combinations, please contact our sales offices						

