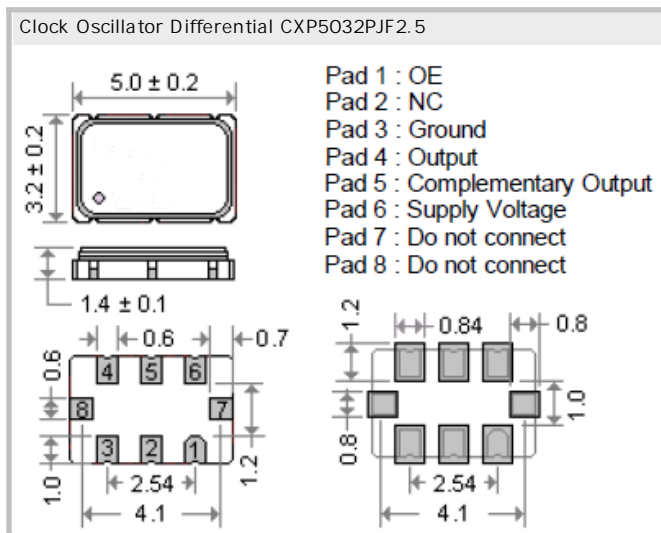


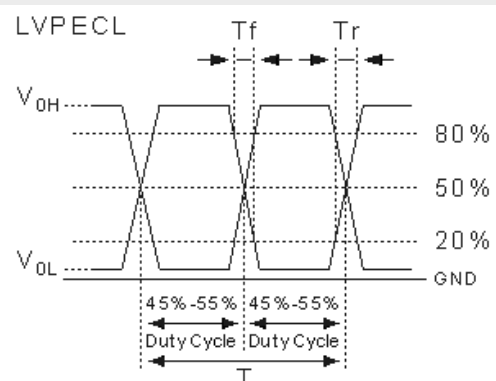


Clock Oscillator Differential CXP5032PJF2.5  
LVPECL 2.5V; ultra low jitter, with PLL

- SMD in ceramic case (5.0 x 3.2 x 1.4) mm
- Tri-State Enable / Disable on pad No. 1
- LVPECL Differential Output Wave Form
- High Q fundamental crystal + ultra low jitter multiplier circuit
- RoHS conform; Lead-free product; on Tape (16mm) & Reel
- Vibration: MIL-STD-202F method 204, 35G, 50 to 2000 Hz
- Shock: MIL-STD-202F method 213B, test cond. E, 1000GG 1/2 sine wave
- Available in many standard and special frequencies



LVPECL Square Wave Output Wave Form



## Specifications

Holder Type:	Clock Oscillator CXP5032PJF2.5 ; 2.5V (Voltage code is "2.5")
Frequency Range:	150 MHz to 2.100.0 MHz
Frequency Stability at 25°C:	± 25 ppm / ± 50 ppm
Operating Temperature Range:	± 25 ppm, -40°C to +85°C / ± 50 ppm, -40°C to +85°C
Storage Temperature:	-55°C to +150°C
Power Supply Voltage (Vdd):	+ 2.5V D.C. ± 10%
Maximum Supply Current (Differential):	100mA typ. 120mAmax.
Current with Output Disabled:	99 mA typical
Output Voltage (VOH) (VOL):	High "1" Vdd-1.165V min, Vdd- 0.8Vmax. Low "0" Vdd-2.0V min, Vdd- 1.55Vmax.
Output Voltage Swing:	595 mV min., 930 mV max.
Start Up Time:	5ms typical; 10 ms max.
Output Symmetry (Duty Cycle):	50% ± 5% max. (measured at 50% Vdd)
Load:	50 ohms into Vdd -2V or Thevenin equiv.
Output Enable / Disable:	2.5ms max.; 10µs max.; (20% Vdd <-> 80% Vdd)
RMS Phase Jitter (12 kHz to 20 MHz):	156.250 MHz: 159fs; 491.520MHz: 155fs; 644.530MHz: 151fs; 1.480MHz: 147fs; 2GHz: 163fs
Aging:	< ± 3ppm max. for the first year; ± 2ppm max. per years thereafter
Reflow Condition:	260°C max for 10 sec.

### GERMANY:

COMTEC CRYSTALS GmbH · Sultenstrasse 12-14  
8 5 5 8 6 P o i n g / G E R M A N Y  
Phone +49 8121 778160 · Fax +49 8121 778177  
e-Mail [info@comtec-crystals.com](mailto:info@comtec-crystals.com)  
Internet: <http://www.comtec-crystals.com>  
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### FRANCE:

COMTEC CRYSTALS SARL · 23, rue du Faucon  
6 7 5 0 0 H a g u e n a u / F R A N C E  
Phone +33 388 732162 · Fax +33 388 730118  
e-Mail [sales@comtec-crystals.com](mailto:sales@comtec-crystals.com)  
Internet: <http://www.comtec-crystals.com>  
Sous réserve de modifications.