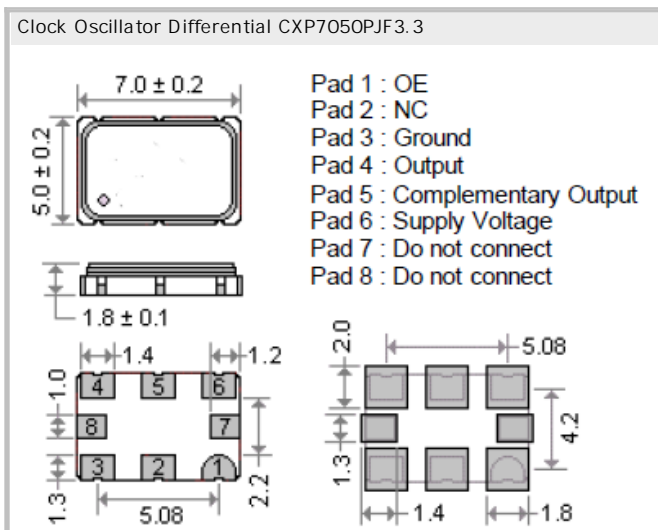
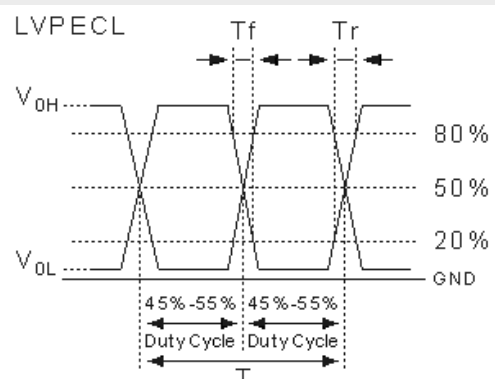


Clock Oscillator Differential CXP7050PJF3.3
LVPECL 3.3V; ultra low jitter, with PLL

- SMD in ceramic case (7.0 x 5.0 x 1.8) 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 CXP7050PJF3.3 ; 3.3V (Voltage code is "3.3")
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):	+ 3.3V 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):	156.250MHz: 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:

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