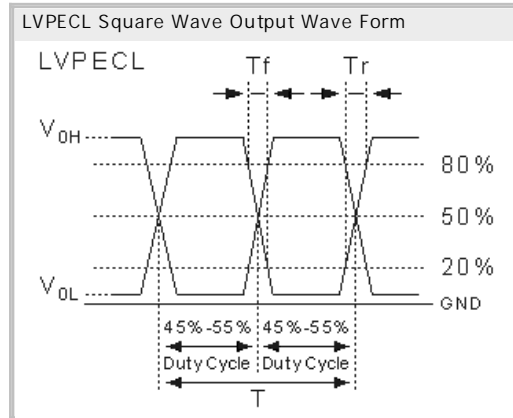
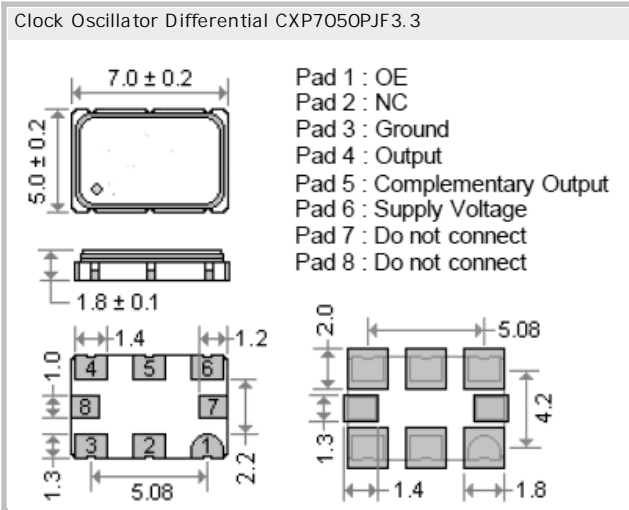


Clock Oscillator Differential CXP7050PJF3.3
LVPECL 3.3V; ultra low jitter, with PLL

- 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, 1000G 1/2 sine wave
- Available in many standard and special frequencies



Specifications - Product No. G30000000OCTCUPN43BA

Holder Type:	Clock Oscillator CXP7050PJF3.3 ; 3.3V(Voltage code is "3.3"); Tri-State on pad 1
Frequency:	300.000000 MHz
Frequency Stability at 25°C:	± 50.0 ppm
Operating Temperature Range:	± 50.0 ppm -40°C to +85°C
Output Logic Levels:	High "1" Voh Vdd-1.025min., Termination: RL= 50 Ohm to (Vdd-2.0V) Low "0" Vol Vdd-1.620max., Termination: RL= 50 Ohm to (Vdd-2.0V)
Storage Temperature:	-55°C to +125°C
Power Supply Voltage (Vdd):	+ 3.3V D.C. ± 10%
Maximum Supply Current (Differential)	100.0 mA max.
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.
Tri-state Function Pin 1 (or 2):	When Pin 1 (or 2) = 1, Output Enable When Pin 1 (or 2) (at 0.0V), Output High impedance, Disable current: 50µA max.
Start Up Time:	5ms typical; 10 ms max.
Period Jitter, RMS, peak to peak:	(decoupling capacitor between Vdd and GND) for 155.520 MHz RMS: 3ps typ., 5ps max; peak to peak: 20ps typ; 30ps max.
Output Symmetry (Duty Cycle):	50% ± 5% max. (measured at 50% Vdd)
Load:	50 ohms into Vdd -2V or Thevenin equiv.
Input Static Discharge Protection:	2 kV (min.)
Rise (Tr) /Fall Time (Tf):	0.35ns typical; 0.5ns max. (20% Vdd<->80% Vdd, 15pF load)
Phase Jitter:	0.15 ps typ. (12 kHz to 20 MHz); < 100 fs (1.875 MHz to 20MHz)
Phase Noise (156.250 MHz):	-67dBc/Hz @ 10Hz, -92dBc/Hz @ 100Hz, -112dBc/Hz @ 1kHz -121dBc/Hz @ 10kHz, -124dBc/Hz @ 100kHz, -136dBc/Hz @ 1MHz, -153dBc/Hz @ 5MHz
Aging:	< ± 2ppm max. for the first year; ± 10ppm max. over 10 years
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
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
Internet: <http://www.comtec-crystals.com>
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