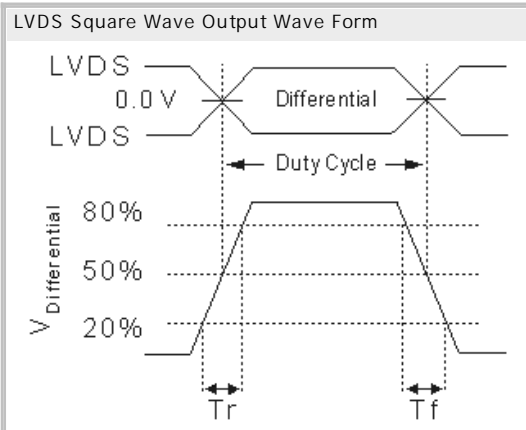
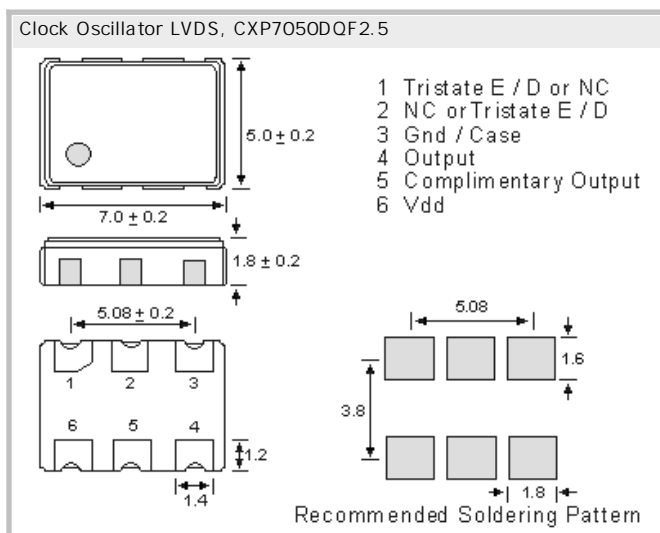


Clock Oscillator LVDS Differential, with PLL
CXP7050DQF2.5, 2.5V, 1.0ps typical Phase Jitter

- SMD in ceramic case (7.0 x 5.0 x 1.8) mm
- Tri-State Enable / Disable on pad No. 1
- LVDS Square Wave Output Wave Form
- High Q fundamental crystal + low jitter multiplier circuit + 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



Specifications

Holder Type / Voltage (Vdd):	CXP7050DQF2.5; + 2.5V D.C. \pm 5%; Tri-State on pad 1
Frequency Range:	10.000 MHz to 1500.000 MHz
Frequency Tolerance at 25°C:	\pm 20 to \pm 100 ppm
Operating-/Storage -Temperature Range	-20°C to +70°C, -40°C to +85°C // -55°C to +150°C
Maximum Supply Current (15pF load):	100MHz: 16mA typical to 1.35GHz: 26mA typical;
Output Logic:	"High", 1: 1.4V (typical); 1.6V (max.), RL = 100 Ohm "Low", 0: 0.9V (min); 1.1V (typical), RL = 100 Ohm
Output Voltage Swing:	250mV min., 350 typ., 450mV max., RL = 100 Ohm
Load:	100 Ohm between output and complimentary output
Start Up Time:	5 ms typical; 10ms max.
Rise (Tr)/Fall Time (Tf):	0.2ns typical; 0.5ns max. (20% Vdd \rightarrow 80% of the LVDS wave form)
Output Enable Function:	OE Control on Pad 1 70% of VDD (min.) to enable output. (Open connection prohibit.) 30% of VDD (max.) to disable output (high impedance).
Phase Jitter:	1.0 ps typ. (12 kHz to 20 MHz); < 100 fs (1.875 MHz to 20MHz)
Phase Noise (156.250 MHz):	-55dBc/Hz @ 10Hz, -85dBc/Hz @ 100Hz, -109dBc/Hz @ 1kHz -116dBc/Hz @ 10kHz, -118dBc/Hz @ 100kHz, -139dBc/Hz @ 1MHz, -146dBc/Hz @ 5MHz
Aging:	< \pm 2ppm max. for the first year; \pm 10ppm max. over 10 years
Reflow Condition:	260°C max for 10 sec.

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