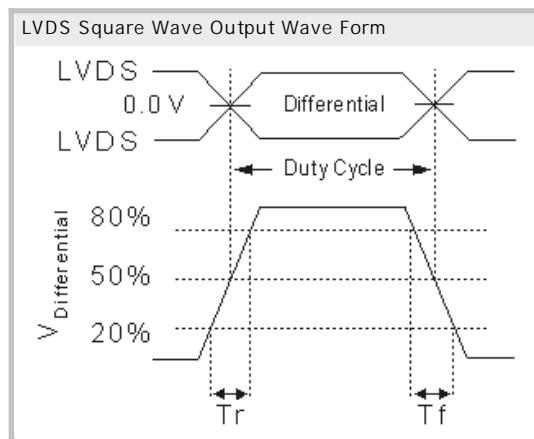
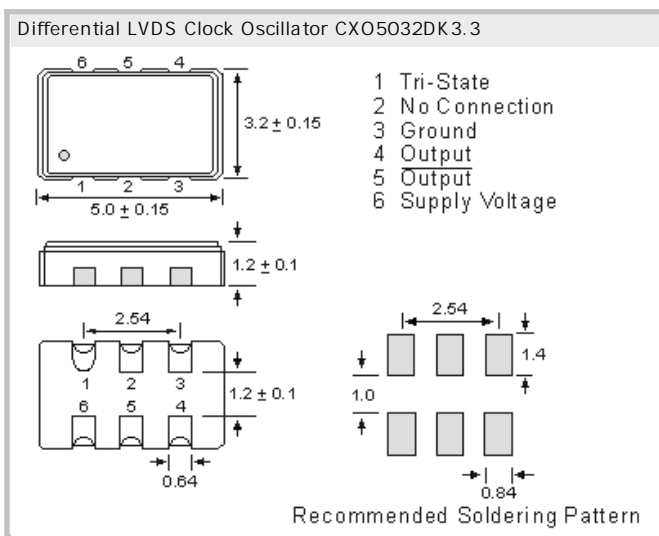


Differential LVDS Clock Oscillator
CXO5032DK3.3, 3.3V, 0,2 psec Jitter, non PLL

- SMD in ceramic case (5.0 x 3.2 x 1.2) mm
- Tri-State Enable / Disable on pad No. 1
- Femto second integrated phase jitter (300 fs typical, 12 KHz to 20 MHz)
- Superior phase noise (-138 dBc/Hz at 10 KHz and -142 dBc/Hz at 100 KHz offset)
- 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
- High performance with surprisingly low price



Specifications - Product No. G155520000QECUPN00BB

| | |
|-------------------------------------|--|
| Holder Type: | CXO5032DK3.3; 3.3V(Voltage code is "3.3"); Tri-State on pad 1 |
| Frequency: | 155.520000 MHz |
| Frequency Stability at 25°C: | ± 50.0 ppm |
| Operating Temperature Range: | ± 50.0 ppm over -20°C to +70°C (inclusive of 25°C tolerance, ±10% input voltage variation, load change, aging, shock and vibration) |
| Storage Temperature: | -55°C to +150°C |
| Power Supply Voltage (Vdd): | + 3.3V D.C. ± 5% |
| Maximum Supply Current (15pF load): | 16.0 mA typ. |
| Output Voltage Swing: | 250 mV min; 350 mV typical; 450 mV max. RL= 1000ohm |
| Output Logic Levels: | High "1" 1.43V typical; 1.6V max, RL= 100 ohms.; Low "0" 0.9V min; 1.1V typical, RL= 100 ohms |
| Output Symmetry (Duty Cycle): | 50% ± 5% max. measured at 50% waveform |
| Load: | RL= 100 ohms between output and complimentary output |
| Rise/Fall Time: | Tr = 0.2 ns. typ; 0.4 ns. max. 20% -> 80% of waveform Tf = 0.2 ns. typ; 0.4 ns. max. 80% -> 20% of waveform |
| Start Up Time: | ± 3 ppm max. first year ; ± 2 ppm max. per year thereafter |
| Tri-state Function Pin 1: | Enable II When 70% min. of VDD to Enable Output. Enable time : 10 ms max. Disable II When 30% max. of VDD to Disable Output. Disable current : 10 µA max. , Disable time : 0.2 µs max. |
| Phase Jitter (12 kHz to 20 MHz): | 0.2 ps typical, 0.5 ps (max.), for 156.250 MHz, 3.3V |
| Phase Noise (156.250 MHz): | -50dBc/Hz @ 10Hz, -80dBc/Hz @ 100Hz, -115dBc/Hz @ 1kHz -135dBc/Hz @ 10kHz, -142dBc/Hz @ 100kHz, -147dBc/Hz @ 1MHz, -152dBc/Hz @ 10MHz |
| Aging: | < ± 3ppm max. for the first year |
| Reflow Condition: | 260°C max for 10 sec. |

GERMANY:

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