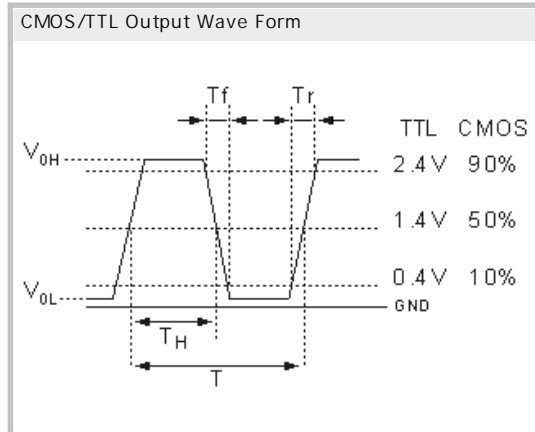
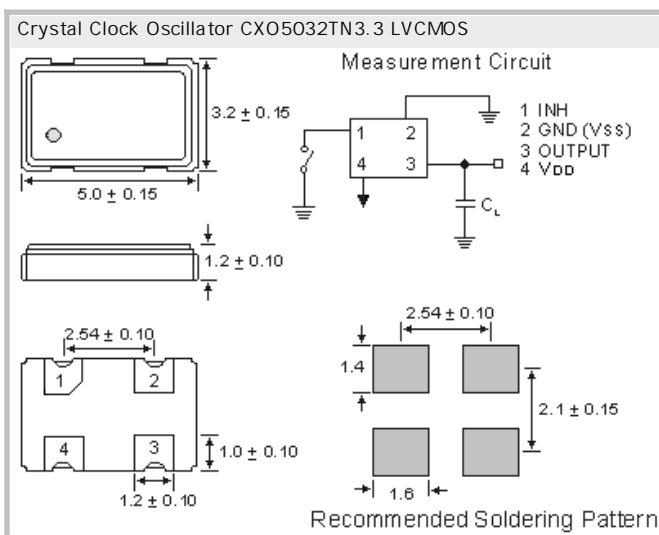




Crystal Clock Oscillator Wide Operating Temperature  
CXO5032TN3.3 3.3V LVC MOS Over -55°C to +125°C

- SMD in ceramic case (5.0 x 3.2 x 1.2) mm
- Tri-State Enable / Disable
- LVC MOS Square Wave
- on Tape & Reel (Tape 16mm)
- RoHS conform; Lead-free product
- 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

Holder Type:	Crystal Clock Oscillator CXO5032TN3.3 3.3V CMOS/TTL
Frequency Range:	1.25 MHz ~ 60 MHz
Frequency Stability at 25°C:	± 50 to ± 100 ppm
Operating Temperature Range:	over -55°C to +125°C, 50ppm, 100ppm (Inclusive Operating Temp., Supply Voltage, & Load)
Storage Temperature:	-55°C to +125°C
Power Supply Voltage (Vdd):	+ 3.3V D.C. ± 10%
Maximum Supply Current:	10mA max. (1.25MHz ~ 20MHz) 18mA max. ( 20MHz ~ 60MHz)
Output Load:	15pF
Output Symmetry (Duty Cycle):	40/60% (45/55% optional)
Output Voltage (V <sub>OH</sub> ) (V <sub>OL</sub> ):	90% of V <sub>dd</sub> min. / 10% of V <sub>dd</sub> max.
Rise/Fall Time (10% to 90% V <sub>dd</sub> ):	10 ns max.
Start Up Time:	1.25 ~ 32.0 MHz : 5 ms ( max. ) ; 32.0 ~ 60.0 MHz : 10 ms ( max. )
Tri-state Function Pin 1:	Pin 1 = H or open.... Output active at pin 3 Pin 1 = L.... high impedance at pin 3
Phase Jitter (12 kHz to 20 MHz):	500 fs (typical)
SSB Phase Noise:	-85dBc/Hz @ 10Hz, -115dBc/Hz @ 100Hz, -140dBc/Hz @ 1kHz -145dBc/Hz @ 10kHz, -150dBc/Hz @ 100kHz, -152dBc/Hz @ 1MHz
Aging:	< ± 2ppm max. for the first year (max.)
Reflow Condition:	260°C max. for 10 sec.

### GERMANY:

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