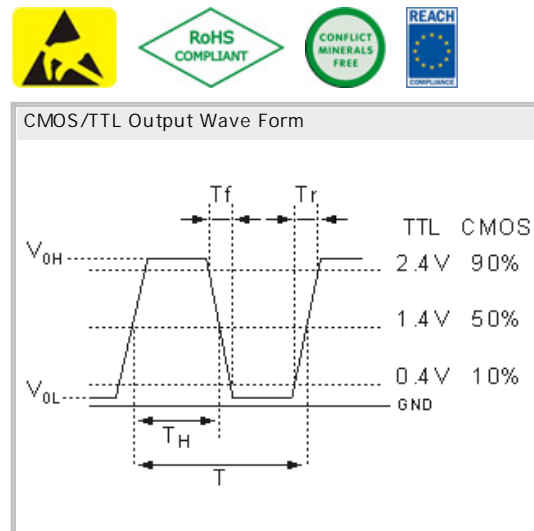
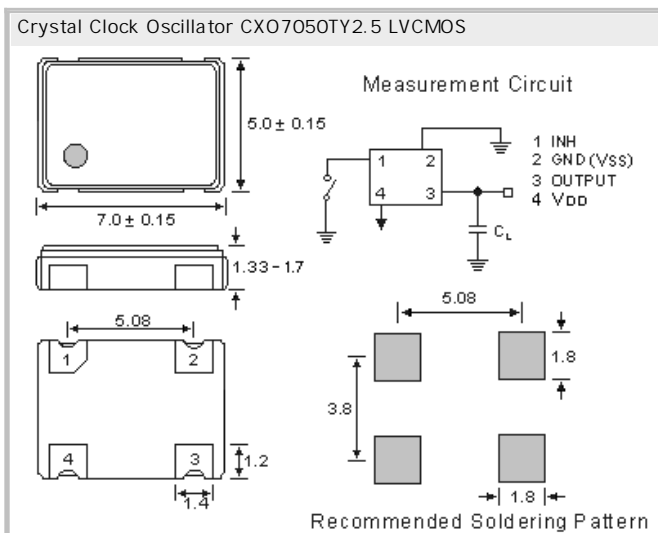


Crystal Clock Oscillator Wide Operating Temperature  
CXO7050TY2.5 2.5V LVCMOS Over -40°C to +125°C

- SMD in ceramic case (7.0 x 5.0 x 1.7) mm
- Tri-State Enable / Disable
- LVCMOS 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 CXO7050TY2.5 2.5V CMOS/TTL
Frequency Range:	1.25 MHz ~ 50 MHz
Frequency Stability at 25°C:	± 25 to ± 100 ppm
Operating Temperature Range:	over -40°C to +125°C ± 25 to ± 100 ppm (Inclusive Operating Temp., Supply Voltage, & Load)
Storage Temperature:	-65°C to +150°C
Power Supply Voltage (Vdd):	+ 2.5V D.C. ± 10%
Maximum Supply Current:	3mA max. (1.25MHz ~ 20MHz) 5mA max. ( 20MHz ~ 50MHz)
Output Load:	15pF
Output Symmetry (Duty Cycle):	40/60% (45/55% optional)
Output Voltage (V <sub>0H</sub> ) (V <sub>0L</sub> ):	90% of Vdd min. / 10% of Vdd max.
Rise/Fall Time (10% to 90% Vdd):	10 ns max.
Start Up Time:	1.25 ~ 50.0 MHz : 5 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 (26 MHz, 3.3V):	150 fs (typical) (12kHz to 20 MHz integrated)
SSB Phase Noise:	-94dBc/Hz @ 10Hz, -127dBc/Hz @ 100Hz, -142dBc/Hz @ 1kHz -156dBc/Hz @ 10kHz, -161dBc/Hz @ 100kHz, -163dBc/Hz @ 1MHz -163dBc/Hz @ 5MHz
Aging:	< ± 2ppm max. for the first year (max.)
Reflow Condition:	260°C max. for 10 sec.

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