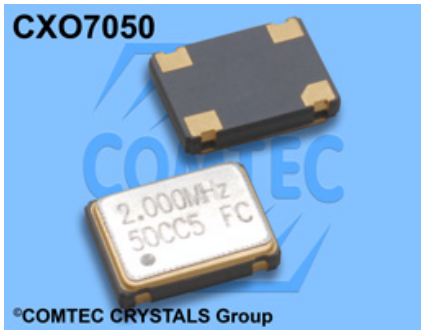
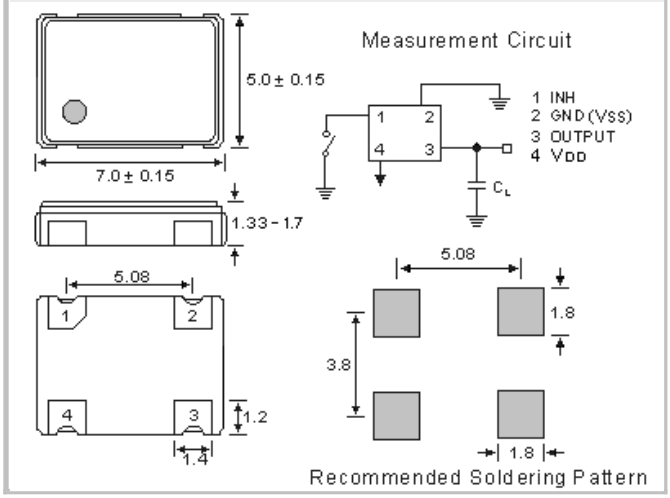


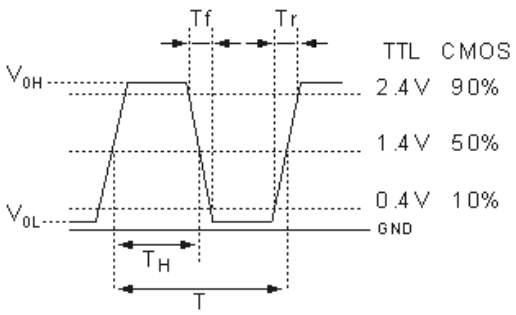
Crystal Clock Oscillator CXO7050T1.0 1.0V,
Low cost

- SMD in ceramic case (7.0 x 5.0 x 1.4) mm
- Tri-State Enable / Disable
- CMOS/TTL 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, 1000GG 1/2 sine wave
- Available in many standard and special frequencies

Crystal Clock Oscillator CXO7050T1.0 1.0V



CMOS/TTL Output Wave Form



Specifications

Holder Type:	CXO7050T1.0 Tri-State 1.0V (Voltage code is " 1.0 ")
Frequency Range:	250.0kHz ~ 50.0 MHz
Frequency Stability at 25°C:	±20 to ±100 ppm
Operating Temperature Range:	-20°C to +70°C, -40°C to +85°C, (100ppm) -40°C to +105°C (Inclusive Operating Temp., Supply Voltage, & Load)
Storage Temperature:	-50°C to +105°C
Power Supply Voltage (Vdd):	+ 1.0V D.C. ± 5 %
Maximum Supply Current:	2mA max. (312kHz ~ 30MHz), 4mA max. (30MHz ~ 60MHz)
Output Load:	15pF CMOS
Output Symmetry (Duty Cycle):	40/60% (45/55% optional)
Output Voltage (V0H) (V0L):	90% of Vdd min. / 10% of Vdd max.
Rise/Fall Time (10% to 90% Vdd):	6 ns max.
Start Up Time:	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):	0.145pS RMS
Excellent Phase Noise (typical; 1.0V, 40MHz)	-80dBc/Hz @ 100Hz, -110dBc/Hz @ 1kHz -142dBc/Hz @ 10kHz, -153dBc/Hz @ 100kHz, -1591dBc/Hz @ 1MHz
Aging:	< ±3ppm max. / year (max.)
Reflow Condition:	260°C max. for 10 sec.

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