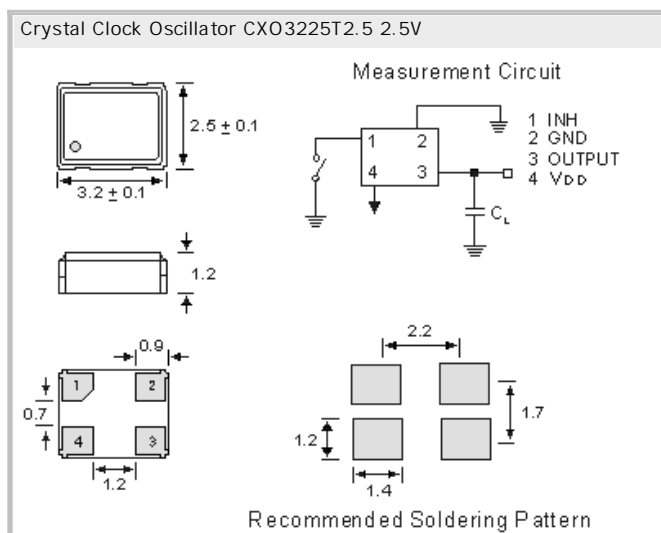
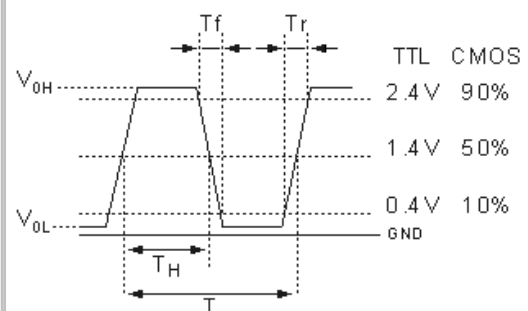


Crystal Clock Oscillator CXO3225T1.8 1.8V,
Low cost

- SMD in ceramic case (3.2 x 2.5 x 1.0) mm
- Tri-State Enable / Disable
- CMOS/TTL Square Wave
- on Tape & Reel (Tape 8mm)
- 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



CMOS/TTL Output Wave Form



Specifications

Holder Type:	Crystal Clock Oscillator CXO3225T1.8 Tri-State 1.8V (Voltage code is " 1.8 ")
Frequency Range:	312kHz ~ 160.0 MHz
Frequency Stability at 25°C:	± 20 to ± 100 ppm
Operating Temperature Range:	-20°C to +70°C, -40°C to +85°C (Inclusive Operating Temp., Supply Voltage, & Load)
Storage Temperature:	-50°C to +105°C
Power Supply Voltage (Vdd):	+ 1.8V D.C. ± 5%
Maximum Supply Current:	5mA max. (312kHz ~ 1.5MHz) 8mA max. (1.5MHz ~ 20MHz) 15mA max. (20MHz ~ 50MHz) 25mA max. (50MHz ~ 160MHz)
Output Load CL:	15pF CMOS
Output Symmetry (Duty Cycle):	40/60% (45/55% optional)
Output Voltage (VOH) (VOL):	90% of Vdd min. / 10% of Vdd max.
Rise/Fall Time (10% to 90% Vdd):	7ns max. < 5 ns typical
Start Up Time:	10 ms max. < 5 ms typical
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):	< 1pS RMS
Aging:	< ± 5ppm max. / year (max.)
Reflow Condition:	260°C max. for 10 sec.

GERMANY:

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