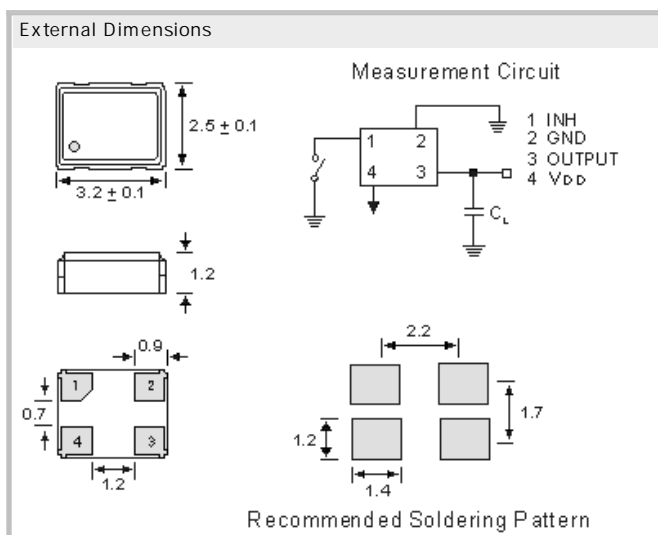
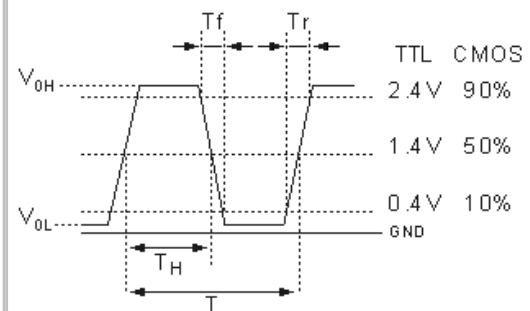


Crystal Clock Oscillator CXO3225TA3.3 3.3V 32μA

- 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, 1000G 1/2 sine wave
- Available in many standard and special frequencies



CMOS/TTL Output Wave Form



Specifications

| | |
|----------------------------------|--|
| Holder Type: | CXO3225TA3.3 Tri-State 3.3V (Voltage code is " 3.3 ") |
| Frequency Range: | 27.3kHz ~ 100.0kHz |
| Frequency Stability at 25°C: | ± 20 to ± 100 ppm |
| Operating Temperature Range: | -20°C to +70°C (min. ± 15ppm), -40°C to +85°C (min. ± 25ppm) (Inclusive Operating Temp., Supply Voltage, & Load) For even tighter frequency stability (± 5 ppm over -40 to 85 °C) and lower current consumption (1.2 uA at 3.3V) |
| Storage Temperature: | -55°C to +125°C |
| Power Supply Voltage (Vdd): | + 3.3V D.C. ± 10% |
| Maximum Supply Current: | 32μA typical; |
| Output Load: | 15pF CMOS |
| Output Symmetry (Duty Cycle): | 50% ± 3% typical; 50% ± 5% max. (measured at 50% Vdd) |
| Output Voltage (VOH) (VOL): | 90% of Vdd min. / 10% of Vdd max. |
| Rise/Fall Time (10% to 90% Vdd): | 10 ns max. < 5 ns typical |
| Start Up Time: | 1.0 ms max. < 5.0 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 |
| Aging: | < ± 3ppm max. / year (max.) |
| Reflow Condition: | 260°C max. for 10 sec. |

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