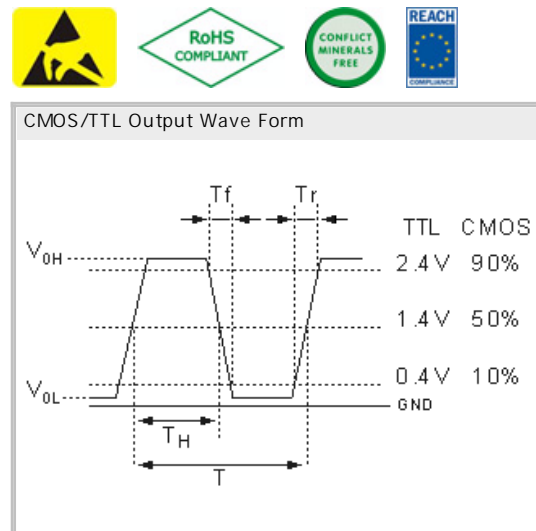
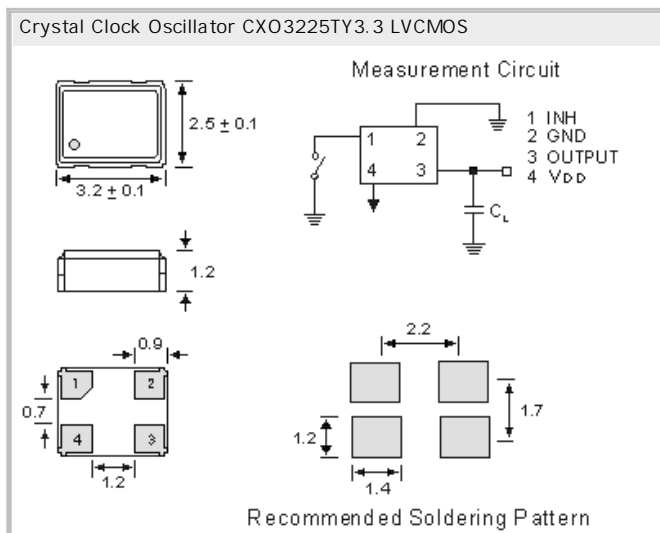




Crystal Clock Oscillator Wide Operating Temperature
CXO3225TN3.3 3.3V LVC MOS Over -40°C to +125°C

- SMD in ceramic case (3.2 x 2.5 x 1.0) 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, 100GG 1/2 sine wave
- Available in many standard and special frequencies



Specifications

Holder Type:	Crystal Clock Oscillator CXO3225TY3.3 3.3V 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 +125°C
Power Supply Voltage (V _{DD}):	+ 3.3V D.C. ± 10%
Maximum Supply Current:	4mA max. (1.25MHz ~ 20MHz) 6mA max. (20MHz ~ 50MHz)
Output Load:	15pF
Output Symmetry (Duty Cycle):	40/60% (45/55% optional)
Output Voltage (V _{OH}) (V _{OL}):	90% of V _{DD} min. / 10% of V _{DD} max.
Rise/Fall Time (10% to 90% V _{DD}):	10 ns max.
Start Up Time:	1.25 ~ 50 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 (12 kHz to 20 MHz):	150 fs (typical)
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.

GERMANY:

COMTEC CRYSTALS GmbH · Sultenstrasse 12-14
8 5 5 8 6 P o i n g / G E R M A N Y
Phone +49 8121 778160 · Fax +49 8121 778177
e-Mail info@comtec-crystals.com
Internet: <http://www.comtec-crystals.com>
Subject to change without prior notice.



Technical Data and Graphics are all under
Copyright (c) of Comtec Crystals Group.

FRANCE:

COMTEC CRYSTALS SARL · 23, rue du Faucon
6 7 5 0 0 H a g u e n a u / F R A N C E
Phone +33 388 732162 · Fax +33 388 730118
e-Mail sales@comtec-crystals.com
Internet: <http://www.comtec-crystals.com>
Sous réserve de modifications.