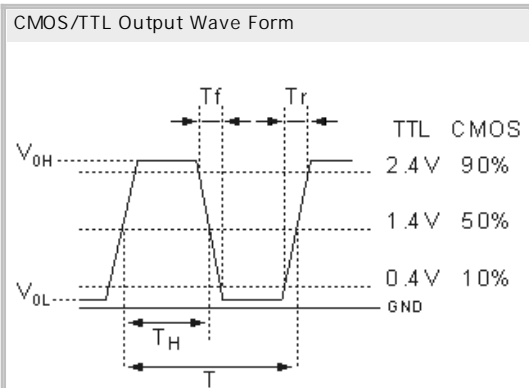
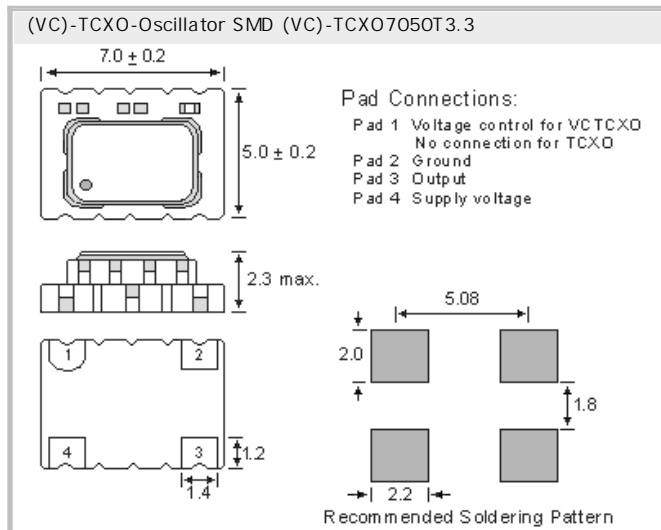


(VC)-TCXO-Oscillator SMD
 (VC)-TCXO7050TL3.3 3.3V CMOS/TTL

- Temperature Compensated Crystal Oscillators
- SMD in ceramic case (7.0 x 5.0 x 2.3) mm
- CMOS/TTL Square Wave Output;
Wave form code is " T "
- on Tape & Reel
- RoHS conform; Lead-free product



Specifications - Product No. G064000000CJWUPN33JB

Holder Type:	(VC)-TCXO-Oscillator SMD (VC)-TCXO7050TL3.3 3.3V CMOS/TTL
Frequency:	64.000000 MHz
Frequency Stability:	± 2.0 ppm at 25°C
Input Voltage:	+ 3.3V ± 10%
Freq. Stability vs Temperature:	± 1.0 ppm from -30°C to +85°C of 25°C tolerance, operating Temp., Supply Voltage, & Load, aging, shock and vibration)
Freq. Stability vs Aging:	± 1.0 ppm, first year at 25°C
Freq. Stability vs Voltage Change:	± 0.3 ppm, for a ± 5% input voltage change
Freq. Stability vs Load Change:	± 0.3 ppm, for a ± 10% load condition change
Operating Temperature Range:	-30°C to +85°C
Maximum Supply Current:	23.0 mA max.
Output Load:	15pF
Output Logic Levels:	Logic High "1" : 90% Vdd min. // Logic Low "0" : 10% Vdd min.
Voltage Control on pin 1 (EFC):	Electronic Frequency Tuning (EFC) Optionally
Phase Noise:	-78dBc/Hz @ 10Hz, -107 dBc/Hz @ 100 Hz, -117dBc/Hz @ 1 KHz, -111dBc/Hz @ 10 KHz, -102 dBc/Hz @ 100 KHz
Pin 1 Options VCTCXO only (EFC):	Control Voltage: Standard +1.5V ± 1.0V for all input voltages. Slope Polarity: Positive slope. Positive voltage for positive frequency shift. Input Impedance: 50kOhm min.; Linearity ±10% max. Modulation Bandwidth (at-3 dB) : 20kHz min.
Frequency Deviation Range (EFC):	± 5.0ppm (min.) with Vcon = +1.5V ± 1.0V (Optionally)
Output Symmetry (Duty Cycle):	45/55% ; Measured at 50% Vdd
Rise/Fall Time CMOS:	10.0ns (max.) Measured between 20% and 80% Vdd of the wave form (CL = 15pF)
Start Up Time:	10 ms (max.), 5ms (typ.)
Storage Temperature:	-55 to +105°C
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.