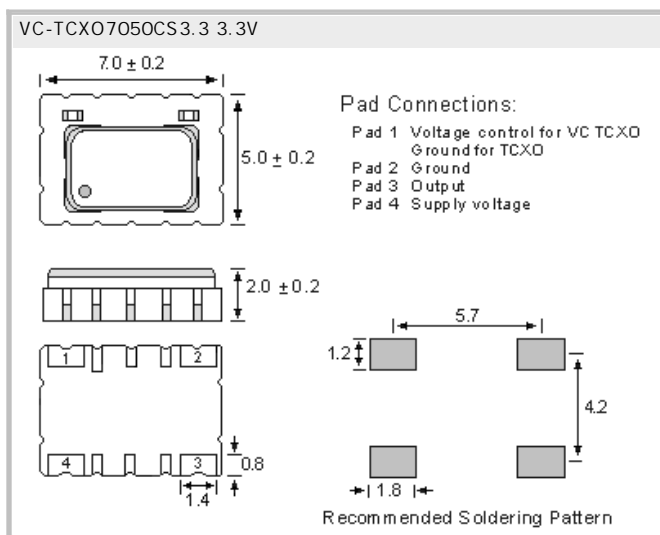
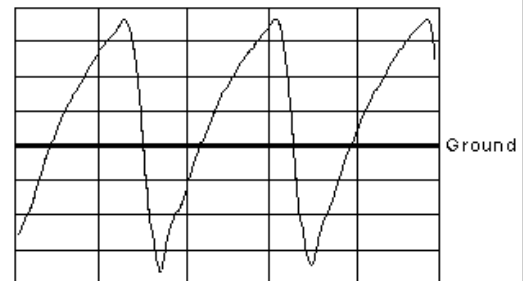


VC-TCXO-Oscillator SMD VC-TCXO7050CS3.3 3.3V
Clipped Sine Wave

- Voltage Control Temperature Compensated Crystal Oscillator
- SMD in ceramic case (7.0 x 5.0 x 2.0) mm
- Clipped Sine Wave Output;
Wave form code is " CS "
- on Tape & Reel
- 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



Clipped Sine Wave Output



Specifications

Holder Type:	VC-TCXO7050CS3.3 3.3V (Voltage code is " 3.3 ")
Frequency Range:	10.0 MHz to 52.0 MHz
Standard Frequencies (Part list):	10.0, 12.8, 13.0, 14.4, 15.36, 16.384, 19.2, 19.44, 20.0, 25.0, 26.0, 27.0 MHz
Input Voltage:	+ 3.3V ± 10%
Frequency Stability:	± 0.5ppm to ± 3.0ppm
Freq. Stability vs Temperature:	0° to 50°C (± 0.5ppm) to -40 to +85°C (± 1.0 to ± 3.0ppm)
Freq. Stability vs Aging:	± 1.0 ppm, first year at 25 °C
Freq. Stability vs Voltage Change:	± 0.2 ppm, for a ± 5% input voltage change
Freq. Stability vs Load Change:	± 0.2 ppm, for a ± 10% load condition change
Current Consumption:	9.60 ~ 15.0 MHz: 1.5mA max, 15.01 ~ 26.0 MHz: 2.0mA, 26.01 ~ 40.0 MHz: 2.5mA
Pin 1 VCTCXO only (EFC):	Control Voltage Center: 1.5V ± 1.0V Deviation Range: ± 5.0 ppm (min.), Vcontrol = + 1.5 V ± 1.0 V. Input Impedance: 1MΩ min.; Linearity: ± 10% max. Modulation Bandwidth: 3kHz min.
Output Voltage Level (peak to peak):	0.8Vp-p (min.)
Output Load:	10kΩ // 10pF ± 10%
Start Up Time:	2 ms (typ.) ; 5ms (max.) (reach 90% amplitude and at + 25°C ± 2°C)
Phase Noise (13MHz as example):	10Hz 100Hz 1kHz 10kHz 100kHz -80dBc/Hz -115dBc/Hz -135dBc/Hz -148dBc/Hz -148dBc/Hz
Storage Temperature:	-40°C to + 85°C or -55 to + 125°C (Package dependent)
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.