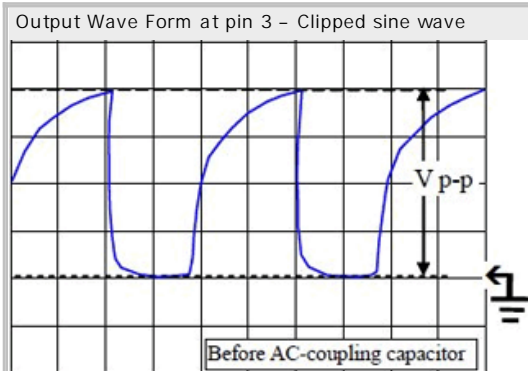
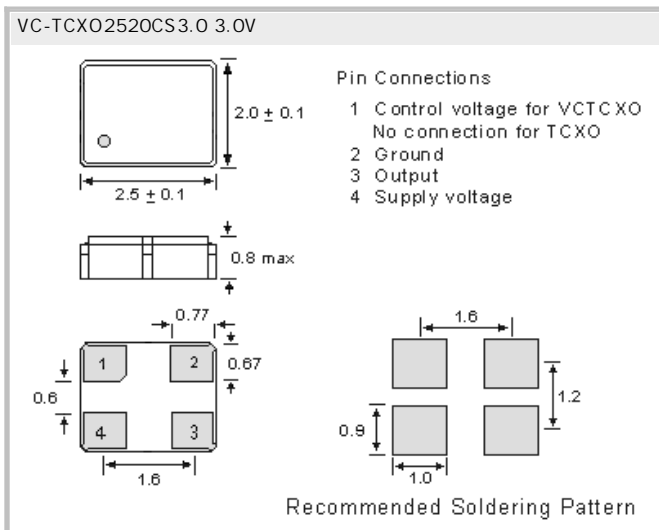


VC-TCXO-Oscillator SMD VC-TCXO2520CS3.0 3.0V
Clipped Sine Wave I Wave form code is " CS "

- Voltage Control Temperature Compensated Crystal Oscillator
- SMD in ceramic case (2.5 x 2.0 x 0.8) mm on Tape & Reel
- Electrical Frequency Tuning (EFC) by external Control voltage
- 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



Specifications

Holder Type:	VC-TCXO2520CS3.0 3.0V (Voltage code is " 3.0 ")
Frequency:	40.000000 MHz
Input Voltage:	+ 3.0V ± 5%
Frequency Stability:	± 1.0 ppm at 25°C
Operating Temperature Range:	± 1.0 ppm over -30°C to +85°C
Freq. Stability vs Aging:	± 1.0 ppm, first year at 25 °C
Freq. Stability vs Voltage Change:	± 0.2 ppm max., for a ± 5% input voltage change
Freq. Stability vs Load Change:	± 0.2 ppm max., for a ± 10% load condition change
Output Voltage Level (peak to peak):	0.8Vp-p (min.)
Maximum Supply Current:	2.5 mA max.
Pin 1 VCTCXO only (EFC):	Standard +1.5V ± 1.0V for all input voltages. Deviation Range: ± 5.0 ppm (min.), Vcontrol = +1.5 V±1.0 V. Input Impedance: 1MΩ min.; Linearity ± 10% max. Modulation Bandwidth: 3kHz min. Measured at -3 dB
Start Up Time:	2 ms (typ.) ; 5ms (max.) (reach 90% amplitude and at +25°C ± 2°C)
Output:	10kΩ // 10pF
Phase Noise (13MHz as example):	-80dBc/Hz at 10Hz offset, -115dBc/Hz at 100Hz offset -135dBc/Hz at 1kHz offset, -148dBc/Hz at 10kHz offset -148dBc/Hz at 100kHz offset
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.