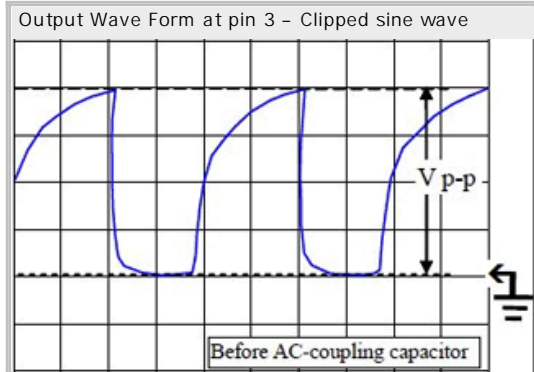
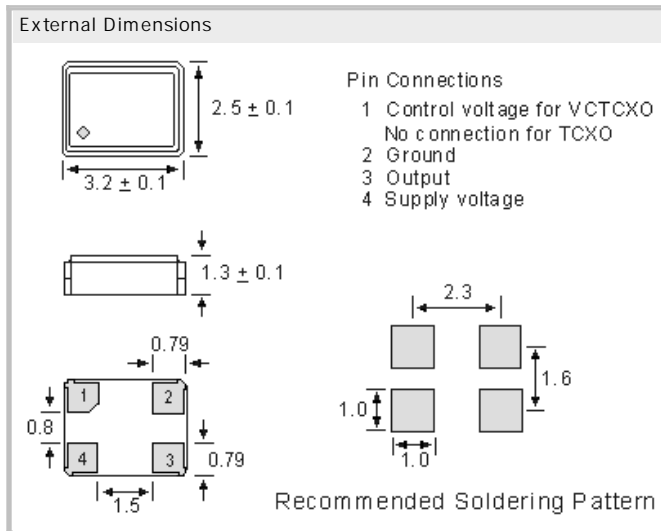


VC-TCXO-Oscillator SMD VC-TCXO3225CS3.3 3.3V  
Clipped Sine Wave I Wave form code is " CS "

- Voltage Control Temperature Compensated Crystal Oscillator
- SMD in ceramic case (3.2 x 2.5 x 1.3) 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-TCXO3225CS3.3 3.3V (Voltage code is " 3.3 ")
Frequency Range:	8.192 MHz to 40.0 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 MHz
Output Voltage Level (peak to peak):	0.8Vp-p (min.)
Input Voltage:	+ 3.3V ± 5%
Frequency Stability:	± 0.5ppm to ± 2.5ppm
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 max., for a ± 5% input voltage change
Freq. Stability vs Load Change:	± 0.2 ppm max., for a ± 10% load condition change
Freq. Stability vs Reflow (SMD type):	± 0.1 ppm max., 1 reflow and measured 24 hours afterwards
Current Consumption:	9.6 ~ 15 MHz: 1.5mA max, 15.01 ~ 26.0 MHz: 2.0mA 26.01 ~ 40.0 MHz: 2.5mA
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 Load:	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.

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