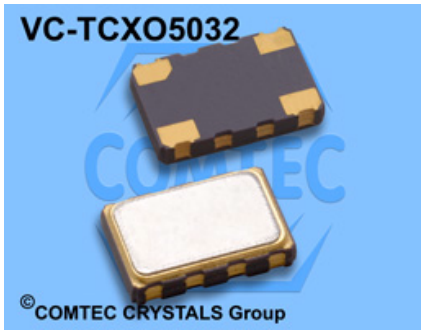
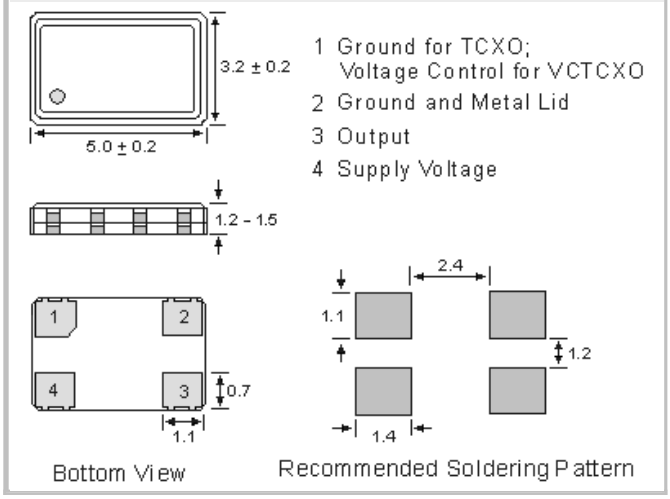


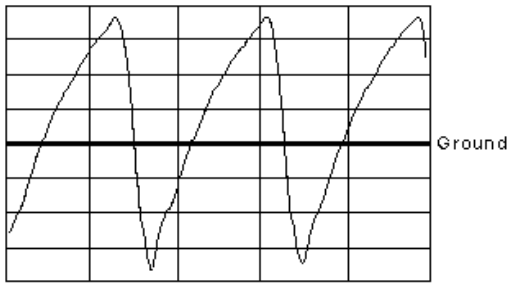
VC-TCXO-Oscillator SMD VC-TCXO5032CS3.0 3.0V Clipped Sine Wave

- Voltage Control Temperature Compensated Crystal Oscillator
- SMD in ceramic case (5.0 x 3.2 x 1.2) mm on Tape & Reel
- Electrical Frequency Tuning (EFC) by external Control voltage
- Clipped Sine Wave Output; Wave form code is " CS "
- 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

External Dimensions



Clipped Sine Wave Output



Specifications - Product No. G012800000BZXVPN33LE

Holder Type:	VC-TCXO5032CS3.0 3.0V (Voltage code is " 3.0 ")
Frequency:	12.800000 MHz
Output Voltage Level (peak to peak):	0.8Vp-p (min.)
Input Voltage:	+ 3.0V ± 10%
Frequency Stability:	± 2.0 ppm at 25°C
Freq. Stability vs Temperature:	± 2.0 ppm from -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
Operating Temperature Range:	-30°C to +85°C
Maximum Supply Current:	1.5 mA max.
Pin 1 VCTCXO only (EFC):	Control Voltage: Standard +1.5V ± 1.0V for all input voltages. Deviation Range: ±5.0 ppm (min.) , Vcontrol = +1.5 V±1.0 V. Input Impedance: 1MOhm 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:	10kOhm // 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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