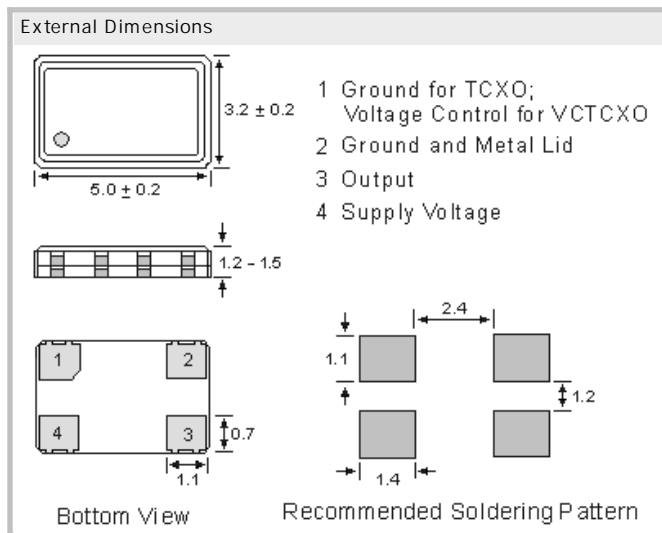
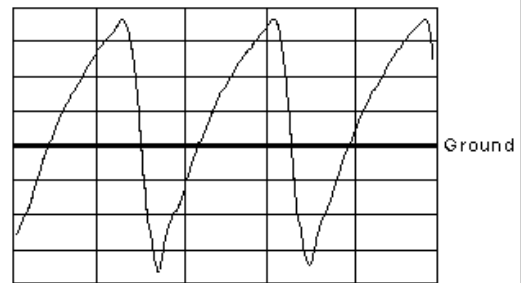


VC-TCXO-Oscillator SMD VC-TCXO5032CS5.0 5.0V Clipped Sine Wave

- 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



Clipped Sine Wave Output



Specifications - Product No. G01600000BYWVPN43JE

| | |
|--------------------------------------|---|
| Holder Type: | VC-TCXO5032CS5.0 5.0V (Voltage code is " 5.0 ") |
| Frequency: | 16.000000 MHz |
| Output Voltage Level (peak to peak): | 0.8Vp-p (min.) |
| Input Voltage: | + 5.0V ± 10% |
| Frequency Stability: | ± 1.0 ppm at 25°C |
| Freq. Stability vs Temperature: | ± 1.0 ppm from -40°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: | -40°C to +85°C |
| Maximum Supply Current: | 2.0 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 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. |

GERMANY:

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