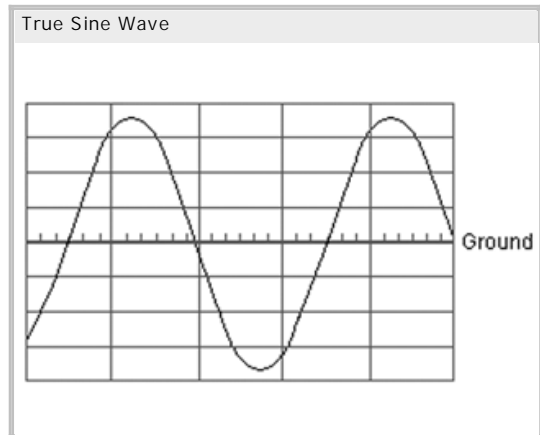
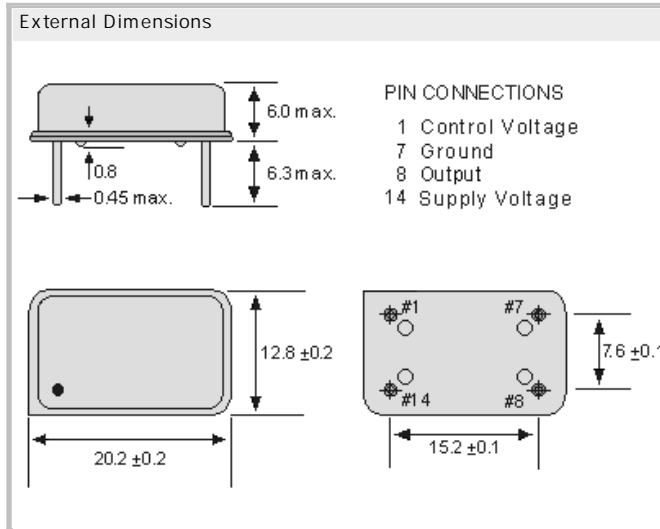




VCXO True Sine Wave VCX012S5.0 5.0V

- Voltage Controlled Clock Oscillator
- Output Wave Form True Sine Wave
- packed in antistatic tubes
- 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:	VCX012S5.0 5.0V (Voltage code is " 5.0 ")
Frequency Range:	10.000 MHz to 156.000 MHz
Frequency Stability at 25°C:	± 20 to ± 100 ppm
Operating Temperature Range:	± 20 to ± 100 ppm, -20°C to + 70°C, -40°C to + 85°C (Inclusive Operating Temp., Supply Voltage, & Load)
Frequency Deviation:	± 80 ppm min.
Storage Temperature:	-50°C to +100°C
Power Supply Voltage (Vdd):	+ 5.0V D.C. ± 10%
Initial Freq. Accuracy (at 25 °C):	Vc= 2.5V ± 0.2V
Voltage Control:	2.5V DC Center / 0.5V to 4.5V Range
Maximum Supply Current:	18mA typ. 10 MHz 34mA typ. 100 MHz 36mA typ. 150 MHz
Input Impedance:	> 10 k Ohm
Load:	50 Ohm (Internally AC coupled)
Modulation Bandwidth (at -3 dB):	10 kHz min.
Output Level:	Standard: + 5.0dBm min. Tolerance: ± 1dB Maximum Power: + 13dBm (User to specify)
Harmonics:	< -30dBc (frequency dependent)
Sub-Harmonics:	None
Voltage Control Range:	0.0V to Vdd with control voltage center at 50% of Vdd
Linearity:	± 10%
Phase Noise (typical):	125.0 MHz as example -75dBc/Hz at 10Hz; -110dBc/Hz at 100Hz; -125dBc/Hz at 1kHz, -132dBc/Hz at 10kHz; -128dBc/Hz at 100kHz;
Start Up Time:	6.0 ms typical
Aging:	< ± 5ppm max. / year (max.)
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.