Oven Controlled Crystal Oscillator

- Frequency range 2.0MHz ~ 40.0MHz
- High reliability, excellent temperature stabilities
- Fast warm-up, low power consumption
- SC-cut high precision internal thermal crystal

CO605

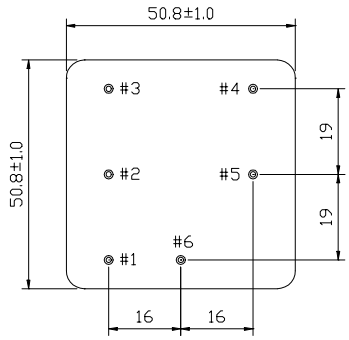
Specifications:

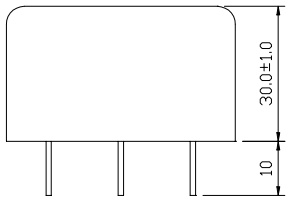
Frequency Range:	2.0 MHz or 40.0 MHz	
Operating Temperature:	0°C ~ +50°C	- A
	-10°C ~ +45°C	- B
	-10°C ~ +55°C	- C
	-20°C ~ +60°C	- D
	-30°C ~ +70°C	- E
Storage Temperature:	-40°C ~ +85°C	
Frequency Stability:		
Accuracy:	$\pm 5 \times 10^{-9}$	
Vs. Temperature:	$\pm 5 \times 10^{-7}$	- 57
	$\pm 1 \times 10^{-7}$	- 17
	$\pm 5 \times 10^{-8}$	- 58
	$\pm 1 \times 10^{-8}$	- 18
	$\pm 5 \times 10^{-9}$	- 59
Short-Term Stability:	$\pm 1 \times 10^{-11}$	per second
Aging Rate:	$\pm 1 \times 10^{-10}$	per day
	$\pm 5 \times 10^{-9}$	per year max
Output Waveform:	Clipped-Sine Wave, HCMOS	
Output Level:	1.0 V_{p-p} min clipped-sine @ 1KΩ TTL, HCMOS compatible	
Phase Noise:	-100dBc/Hz	@ 10 Hz
	-130sBc/Hz	@ 100 Hz
	-140dBc/Hz	@ 1 KHz
	-145dBc/Hz	@ 10 KHz
Harmonics Distortion:	-30 dB	
Supply Voltage:	+5.0 VDC (± 5%)	
	+12.0 VDC (± 5%)	- P
Supply Current:	400mA max at warm-up 100mA max after warm-up at 25°C	
Frequency Adjust:	±3.0 ppm tuning via ext potentiometer	

Note:

1. Other frequencies, stabilities, and operating temperature ranges available. Consult VTC Support for specific requirements.
2. Not all combinations of the above, stabilities, and temperature ranges are available. Consult VTC Support if your requirement is not standard.
3. All specifications subject to change without notice.

CO-E





Pin	Configurations
1	Vcc
2	Vref
3	Vc/Nc
4	Ground
5	Output
6	Vcc Ground

All dimensions are in mm

Ordering Information

Product name + Temperature + Stability + Frequency + Other Specification Code.

i.e. CO604C18-10.0MHz

or CO604D58P-10.0MHz