

## Oven Controlled Crystal Oscillator

- Frequency range 2.0MHz ~ 80.0MHz
- Excellent temperature stabilities
- Fast warm-up, small size
- SC-cut high precision overtone crystal

CO604

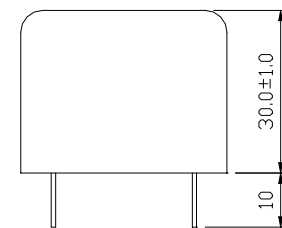
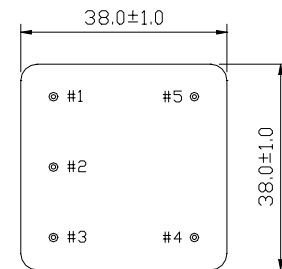
### Specifications:

<b>Frequency Range:</b>	2.0 MHz or 80.0 MHz	
<b>Operating Temperature:</b>	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
<b>Storage Temperature:</b>	-40°C ~ +85°C	
<b>Frequency Stability:</b>		
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:	$\pm 5 \times 10^{-12}$	per second
Aging Rate:	$\pm 1 \times 10^{-10}$	per day
	$\pm 5 \times 10^{-9}$	per year max
<b>Output Waveform:</b>	Clipped-Sine Wave, HCMOS	
<b>Output Level:</b>	1.0 V <sub>p-p</sub> min clipped-sine @ 1K $\Omega$ TTL, HCMOS compatible	
<b>Phase Noise:</b>	-100dBc/Hz	@ 10 Hz
	-130sBc/Hz	@ 100 Hz
	-140dBc/Hz	@ 1 KHz
	-145dBc/Hz	@ 10 KHz
<b>Harmonics Distortion:</b>	-25 dB	
<b>Supply Voltage:</b>	+5.0 VDC ( $\pm 5\%$ )	
	+12.0 VDC ( $\pm 5\%$ )	- P
<b>Supply Current:</b>	500mA max at warm-up 250mA max after warm-up at 25°C	
<b>Frequency Adjust:</b>	$\pm 3.0$ 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

All dimensions are in mm

### Ordering Information

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

i.e. CO604C18-10.0MHz  
or CO604D58P-10.0MHz