

Oven Controlled Crystal Oscillator

- Frequency range 2.0MHz ~ 150.0MHz
- Excellent temperature stabilities
- Fast warm-up, low power consumption
- High precision glass overtone crystal

CO603

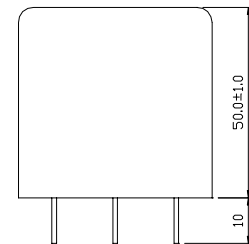
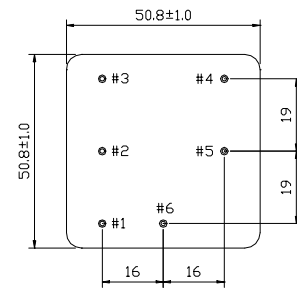
Specifications:

Frequency Range:	2.0 MHz or 150.0 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:	$\pm 5 \times 10^{-12}$	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 Vp-p min clipped-sine @ 1K Ω TTL, HCMOS compatible	
Phase Noise:	-100dBc/Hz	@ 10 Hz
	-130sBc/Hz	@ 100 Hz
	-140dBc/Hz	@ 1 KHz
	-145dBc/Hz	@ 10 KHz
Harmonics Distortion:	-25 dB	
Supply Voltage:	+5.0 VDC ($\pm 5\%$)	
	+12.0 VDC ($\pm 5\%$)	- P
Supply Current:	500mA max atwarm-up	
	150mA max after warm-up at 25°C	
Frequency Adjust:	± 3.0 ppm tuning via ext potentiometer	

Note:

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

CO-D



Pin	Configurations
1	V _{cc}
2	V _{ref}
3	V _c /N _c
4	Ground
5	Output
6	V _{cc} Ground

All dimensions are in mm

Ordering Information

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

i.e. CO603C18-10.0MHz

or CO603D58P-10.0MHz