

Voltage Controlled Crystal Oscillator

- Ultra miniature ceramic SMD package
- 2.0MHz to 47.0MHz
- HCMOS output
- Broad range of Pullability specifications
- Tight symmetry available

VO420

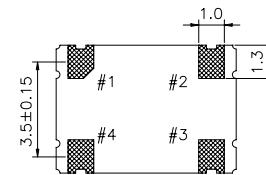
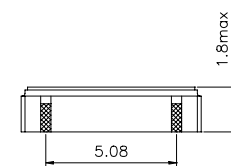
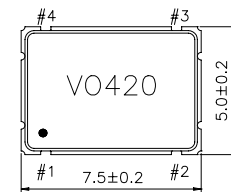
Specifications:

Frequency Range:	2.0 MHz ~ 47.0 MHz	
Operating Temperature:	-10°C ~ +60°C	- B
	-20°C ~ +70°C	- C
	-30°C ~ +75°C	- D
	-40°C ~ +85°C	- U
Storage Temperature:	-40°C ~ +125°C	
Stability Vs. Temperature:	± 25ppm max	- 25
	± 30ppm max	- 30
	± 50ppm max	- 50
Vs. Input Voltage:	± 5ppm ± 5%	
Aging:	± 5ppm max first year	
Pulling Range:	± 100 ppm	- Standard
Control Voltage:	0.5V to 4.5V (VDD=5V)	
	0.3V to 3.0V (VDD=3.3V)	
Output Waveform	HCMOS/15pF/50±5%	- J
	HCMOS/50pF/50±5%	- F
Rise/Fall Time	8ns max (2MHz ~ 20MHz)	
	5ns max (20MHz ~ 47MHz)	
Current Consumption:	40mA max (VDD=5.0V)	
	20mA max (VDD=3.3V)	
Supply Voltage:	3.3V ± 10%	- Standard
	5.0V ± 10%	- P

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.

VO-C



Pin	Configurations
#1	Vcon
#2	Ground
#3	Output
#4	Supply VDD

All dimensions are in mm

Ordering Information

Product name + Temperature Code + Stability + Output Code + Pulling Range + VDD Code + Frequency.

i.e. VO420C25FP - 27.0MHz