

# Voltage Controlled Crystal Oscillator

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

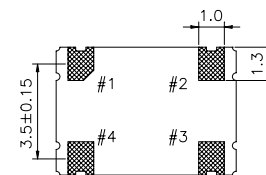
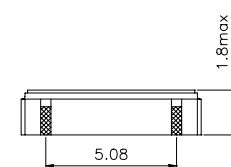
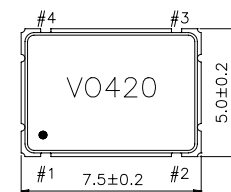
# VO420

## Specifications:

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

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## VO-C



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

All dimensions are in mm

## 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.

## Ordering Information

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

i.e. VO420C25FP - 27.0MHz