

Voltage Controlled Crystal Oscillator

- Ultra miniature ceramic SMD package
- 1.5MHz to 48.0MHz
- HCMOS output
- Broad range of Pullability specifications
- Tight symmetry available
- Complies with Directive 2002/95/EC (RoHS Compliant)

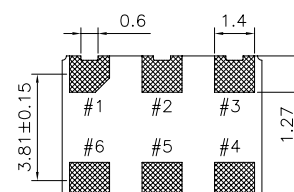
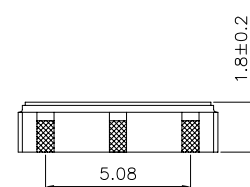
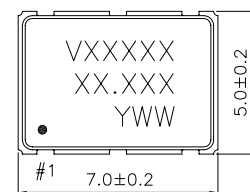
VO421

Specifications:

Frequency Range:	1.5 MHz ~ 48.0 MHz	
Operating Temperature:	-10°C ~ +60°C	- B
	-20°C ~ +70°C	- C
	-30°C ~ +75°C	- D
	-40°C ~ +85°C	- L
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 (V _{DD} =5.0V)	
	0.3V to 3.0V (V _{DD} =3.3V)	
Output Waveform	HCMOS/15pF/50±5%	- J
	HCMOS/50pF/50±5%	- F
Rise/Fall Time	8ns max (1.5MHz ~ 20MHz)	
	5ns max (1.5MHz ~ 47MHz)	
Current Consumption:	40mA max (V _{DD} =5.0V)	
	20mA max (V _{DD} =3.3V)	
Supply Voltage:	3.3V ± 10%	- Standard
	5.0V ± 10%	- P
Linearity:	10% max	
Tri-State Function:	With Tri-State	- T
	Without Tri-State	- None

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VO-T



Pin	Configurations
#1	Vcon
#2	NC or Tri-State
#3	Ground
#4	Output
#5	NC
#6	Supply V _{DD}

All dimensions are in mm

Ordering Information

Product name + Temperature Code + Stability + Output Code + Pulling Range + V_{DD} Code + Frequency.

i.e. VO421C25FP - 27.000MHz

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.