

Voltage Controlled Crystal Oscillator

- Full-size DIL-14 standard package
- 1.5MHz to 50.0MHz
- HCMOS/TTL Compatible output
- Broad range of Pullability specifications
- Hermetically sealed metal package

VO401

Specifications:

Frequency Range: 1.00 MHz ~ 160.00 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: -55°C ~ +125°C

Stability Vs. Temperature: ± 20 ~ ± 50ppm max
Vs. Input Voltage: ± 5ppm ± 5%
Aging: ± 5ppm max first year

Pulling Range: ± 80ppm ~ ± 200 ppm

Control Voltage: 0.5V to 4.5V (VDD=5V)
 0.3V to 3.0V (VDD=3.3V)

Output Waveform

TTL/50±5%	- A
TTL/50pF/50±5%	- E
HCMOS/15pF/50±5%	- J
HCMOS/50pF/50±5%	- F

Rise/Fall Time

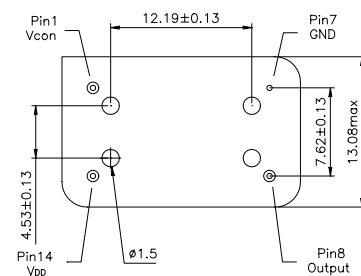
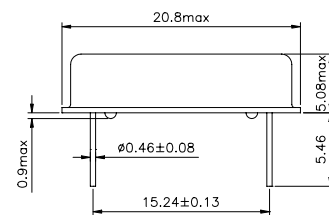
8ns max (1.5MHz ~ 20MHz)
5ns max (20MHz ~ 50MHz)

Current Consumption: 40mA max (VDD=5.0V)
 30mA max (VDD=3.3V)

Supply Voltage: 3.3V ± 10% - Standard
 5.0V ± 10% - P

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Full-Size DIL-14



Pin	Configurations
1	Vcon
7	Ground
8	Output
14	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. VO401C25J100 - 27.0MHz