

Voltage Controlled Crystal Oscillator

- Full-size DIL-14 standard metal package
- Wide frequency range up to 160MHz
- HCMOS/TTL compatible output
- Broad range of pullability specifications
- Complies with Directive 2002/95/EC (RoHS Compliant)

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 ~ ± 250ppm min.

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)	

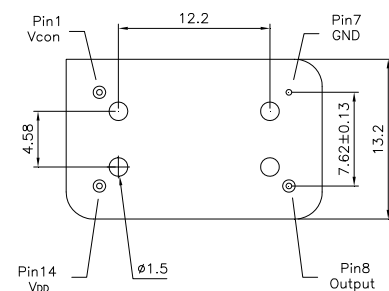
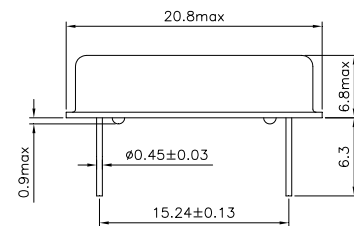
Current Consumption: 25mA max (< 70MHz)
 40mA max (< 125MHz)

Supply Voltage: 3.3V ± 5% - Standard
 5.0V ± 5% - 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.

Full-Size DIL-14



Pin	Configurations
1	Vcon
7	Ground
8	Output
14	Supply VDD

All dimensions are in mm

Ordering Information

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

i.e. VO401C25J100 - 27.0MHz