

Fixed Frequency Crystal Oscillator

- TTL and CMOS compatible output
- Tri-state output option
- Frequency up to 100 MHz
- Low power, 5.0V voltage supply
- Ultra miniature ceramic SMD package

PO301

Specifications:

Frequency Range: 1.5440 MHz ~ 100.0000 MHz

Operating Temperature:

0°C ~ +50°C	- A
-10°C ~ +60°C	- B
-20°C ~ +70°C	- C
-30°C ~ +75°C	- D
-40°C ~ +85°C	- E

Storage Temperature: -40°C ~ +85°C

Frequency Stability:

± 100 ppm
± 50 ppm Standard
± 25 ppm
± 20 ppm

Supply Voltage: 5.0 VDC ±10%

Supply Current	1.5440MHz ~ 35.9999MHz	25mA max
	36.0000MHz ~ 69.9999MHz	60mA max
	70.0000MHz ~ 100.0000MHz	80mA max

Output Level:

Output High:	w/TTL :	2.4VDC min
	w/CMOS :	90% VDD min
Output Low:	w/TTL :	0.4VDC max
	w/CMOS :	10% VDD max

Transition Times (1.544MHz ~ 25MHz)

Rise & Fall Time 5V:	7 nS
Over 25MHz	
Rise & Fall Time 5V:	6 nS

Symmetry or Duty Cycle: 45/55%

Start-Up Time: 10 mS max

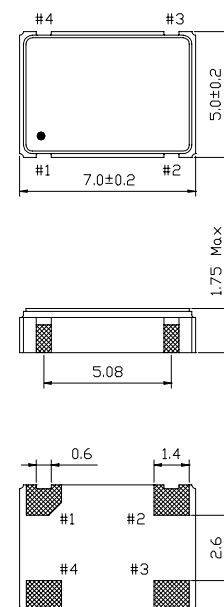
Tri-State:

Output Active:	0.8VDD
Output in High-Impedance State:	0.2VDD

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.

Outline Drawing



Pin	Connection
#1	NC or E/D
#2	Ground
#3	Output
#4	Supply VDD

All dimensions are in mm

Ordering Information

Product name + Frequency + Operating Temperature + Stability + Other Specification Code.

i.e. PO301-40.0M-C-25