

Fixed Frequency Crystal Oscillator

- TTL and CMOS compatible output
- Tri-state output option
- Frequency up to 100 MHz
- Low power, 3.3V voltage supply
- Ultra miniature ceramic SMD package

PO302

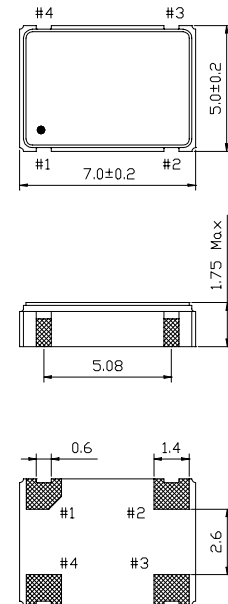
Specifications:

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:	3.3 V _{DC} ±10%	
Supply Current	1.5440MHz ~ 35.9999MHz	10mA max
	36.0000MHz ~ 69.9999MHz	20mA max
	70.0000MHz ~ 100.0000MHz	30mA max
Output Level:		
Output High:	w/TTL :	2.4V _{DC} min
	w/CMOS :	90% V _{DD} min
Output Low:	w/TTL :	0.4V _{DC} max
	w/CMOS :	10% V _{DD} max
Transition Times (1.544MHz ~ 25MHz)		
Rise & Fall Time 3.3V:	7 nS	
Over 25MHz		
Rise & Fall Time 3.3V:	5 nS	
Symmetry or Duty Cycle:	45/55%	
Start-Up Time:	10 mS max	
Tri-State:		
Output Active:	0.8V _{DD}	
Output in High-Impedance State:	0.2V _{DD}	

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 V _{DD}

All dimensions are in mm

Ordering Information

Product name + Operating Temperature + Stability(PPM) + Frequency + Other Specification Code.

i.e. PO302C25-40.0MHz