

Fixed Frequency Crystal Oscillator

- Industry standard pinout
- TTL and CMOS compatible output
- Tri-state output option
- Frequency up to 100 MHz
- Low power
- Hermetically sealed metal package

PO300H

Specifications:

Frequency Range: 1.0 MHz ~ 100.0 MHz

Operating Temperature:

0°C ~ +50°C	- A
-10°C ~ +60°C	- B
-20°C ~ +70°C	- C
-40°C ~ +85°C	- L

Storage Temperature: -40°C ~ +85°C

Frequency Stability:

± 100 ppm	
± 50 ppm	Standard
± 25 ppm	

Supply Voltage:

3.3 VDC	
5.0 VDC	- P

Supply Current 40 mA

Output Level:

Output High: 2.4V min (TTL), 90% V_{DD} min (CMOS)
Output Low: 0.4V max (TTL), 10% V_{DD} max (CMOS)

Transition Times (1MHz ~ 25MHz)

Rise & Fall Time 5V(3.3V): 8(5) nS
Over 25MHz
Rise & Fall Time 5V(3.3V): 6(4) nS

Symmetry or Duty Cycle: 45/55%

Start-Up Time: 10 mS max

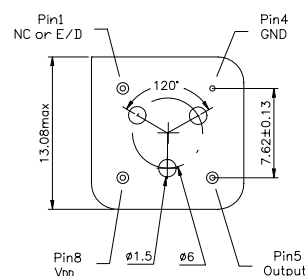
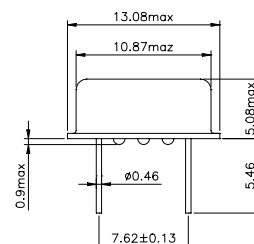
Tri-State:

Output Active: 0.8V_{DD}
Output in High-Impedance State: 0.16V_{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.

Half-Size DIL-8



Pin	Configurations
1	NC or E/D
4	Ground
5	Output
8	Supply

All dimensions are in mm

Ordering Information

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

i.e. PO300HC25-40.0MHz