

## Fixed Frequency Crystal Oscillator

PO300F

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

## 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** 10 ~ 45 mA
**Output Level:**

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

**Transition Times (1MHz ~ 25MHz)**

<b>Rise &amp; Fall Time 5V(3.3V):</b>	8(5) nS
<b>Over 25MHz</b>	
<b>Rise &amp; Fall Time 5V(3.3V):</b>	6(4) nS

**Symmetry or Duty Cycle:** 45/55%

**Start-Up Time:** 10 mS max

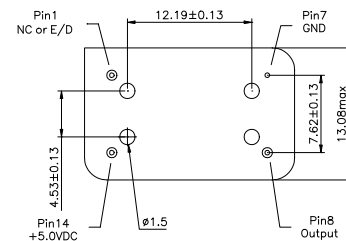
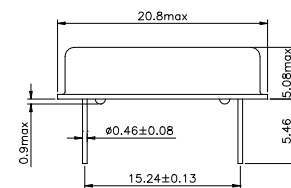
**Tri-State:** - T or None

<b>Output Active:</b>	0.8 $V_{DD}$
<b>Output in High-Impedance State:</b>	0.16 $V_{DD}$

## 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.

## Full-Size DIL-14



Pin	Configurations
1	NC or E/D
7	Ground
8	Output
14	Supply

All dimensions are in mm

## Ordering Information

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

i.e. PO300FC25-40.0MHz