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

PO300F

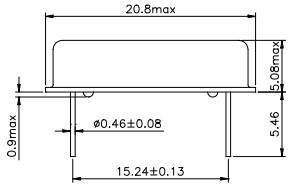
Specifications:

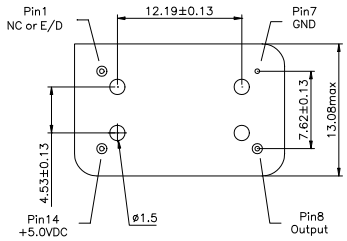
Frequency Range:	1.0 MHz ~ 100.0 MHz	
Operating Temperature:	0°C ~ +50°C	- A
	-10°C ~ +60°C	- B
	-20°C ~ +70°C	- C
	-40°C ~ +85°C	- L
Storage Temperature:	-40°C ~ +85°C	
Frequency Stability:	± 100 ppm	
	± 50 ppm Standard	
	± 25 ppm	
Supply Voltage:	3.3 VDC	
	5.0 VDC	- P
Supply Current	10 ~ 45 mA	
Output Level:		
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:	- T or None	
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.

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

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