High Stability Second-Package Crystal Oscillator

- Industry standard pinout
- TTL and CMOS compatible output
- Tri-state output option
- Frequency up to 160 MHz
- Second-Package, high stability can meet ±5ppm
- Hermetically sealed metal package

PO303

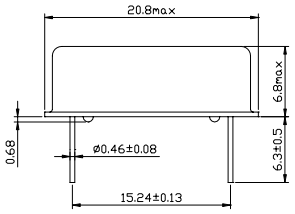
Specifications:

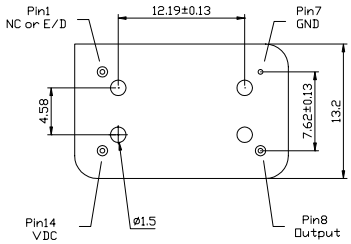
Frequency Range:	1.0 MHz ~ 160.0 MHz	
Operating Temperature:	0°C ~ +50°C	- A
	-10°C ~ +60°C	- B
	-20°C ~ +70°C	- C
	-40°C ~ +85°C	- L
Storage Temperature:	-40°C ~ +85°C	
Frequency Stability:	± 30 ppm	- 30
	± 20 ppm	- 20
	± 10 ppm	- 10
	± 5 ppm	- 5
Supply Voltage:	3.3 VDC	
	5.0 VDC	- P
Supply Current	25mA max. (< 50MHz)	
	50mA max. (> 90MHz)	
Output Waveform: **TTL:**	10TTL	- A
HCMOS:	15pF load	- B
TTL/CMOS		- C
Transition Times (1MHz ~ 20MHz)		
Rise & Fall Time 5V(3.3V):	10 nS	
Over 20MHz		
Rise & Fall Time 5V(3.3V):	6 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.

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. PO303C10PC-40.0MHz

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