

Fixed Frequency Crystal Oscillator

- TTL and CMOS compatible output
- Tight symmetry 45 to 55% available
- Typical 7.0 x 5.0 x 1.3mm ceramic SMD package
- Complies with Directive 2002/95/EC (RoHS Compliant)

PO320

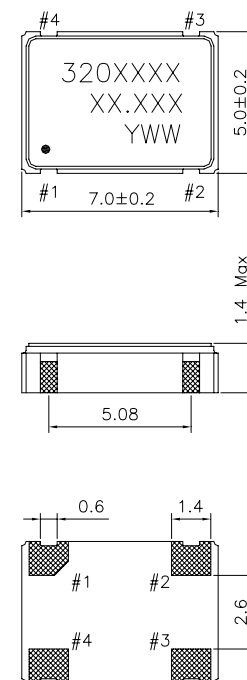
Specifications

Frequency Range:	0.048MHz ~ 133.00MHz		
Operating Temperature:	-10°C ~ +60°C	- B	
	-20°C ~ +70°C	- C	
	-40°C ~ +85°C	- L	
Storage Temperature:	-55°C ~ +125°C		
Frequency Stability:	±100 ppm	- J	
	±50 ppm	- H	
	±25 ppm	- E	
	±20 ppm	- C	
Supply Voltage:	5.0V _{DD}	- C	
	3.3V _{DD}	- E	
	2.5V _{DD}	- H	
Supply Current:	5.0	3.3	2.5 (V _{DD})
	0.048MHz ~ 1.5MHz	7	5 (mA)
	1.5MHz ~ 20MHz	10	7 (mA)
	20MHz ~ 50MHz	30	15 (mA)
	50MHz ~ 125MHz	40	20 (mA)
	>125MHz	N/A	30 25 (mA)
Output Level:	Output High (Logic “1”)	90% V _{DD}	
	Output Low (Logic “0”)	10% V _{DD}	
Output Waveform:	TTL	- B	
	TTL/50pF	- R	
	CMOS/15pF	- K	
	CMOS/50pF	- G	
Transition Times:	5.0	3.3	2.5 (V _{DC})
	0.048MHz ~ 1.0MHz	8	10 (nSec)
	1.0MHz ~ 20MHz	5	6 (nSec)
	20MHz ~ 125MHz	2	3 (nSec)
	>125MHz	N/A	3 (nSec)
Symmetry or Duty Cycle (%):	45 ~ 55		
Start-Up Time (mSec) max:	8		
Tri-State Function:	With Tri-State	- T	
(Input to Pin #1)			

Note:

- Other frequencies, stabilities, and operating temperature ranges available. Consult VTC Support for specific requirements.
- Not all combinations of the above, stabilities, and temperature ranges are available. Consult VTC Support if your requirement is not standard.
- All specifications subject to change without notice.

Outline Drawing



Marking: Line 1: Part Number
Line 2: Frequency in MHz
Line 3: Date Code

Pin	Connection
#1	NC or E/D
#2	Ground
#3	Output
#4	Supply V _{DD}

All dimensions are in mm

Ordering Information

Product Code + Operating Temperature Code + Stability Code + Supply Voltage Code + Output Waveform Code + Tri-State Code or None + Frequency.

i.e. PO302CHEKT-40.0MHz