

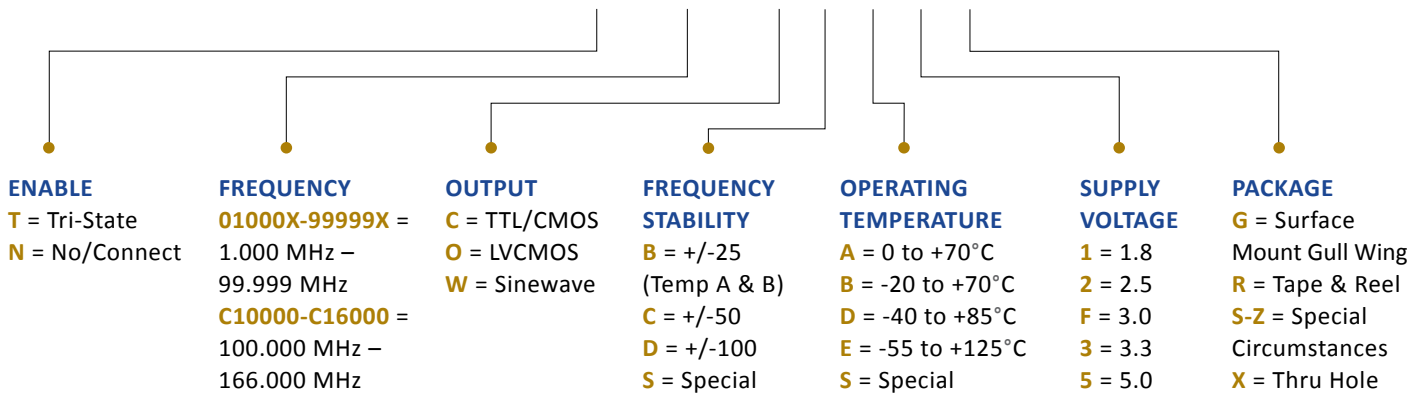
# O08-Series Specifications



**13.20L x 13.20W x 5.59H (mm)**

PDI Model *O08-Series* provides precision timing in a hermetically sealed Dip8 package, and is available in both standard and custom frequencies and configurations. PDI provides quick-turn sampling for your proto-typing needs, mass production capability, and competitive pricing.

ex) **O08—T—25000X—C—B—B—2—R—X\***



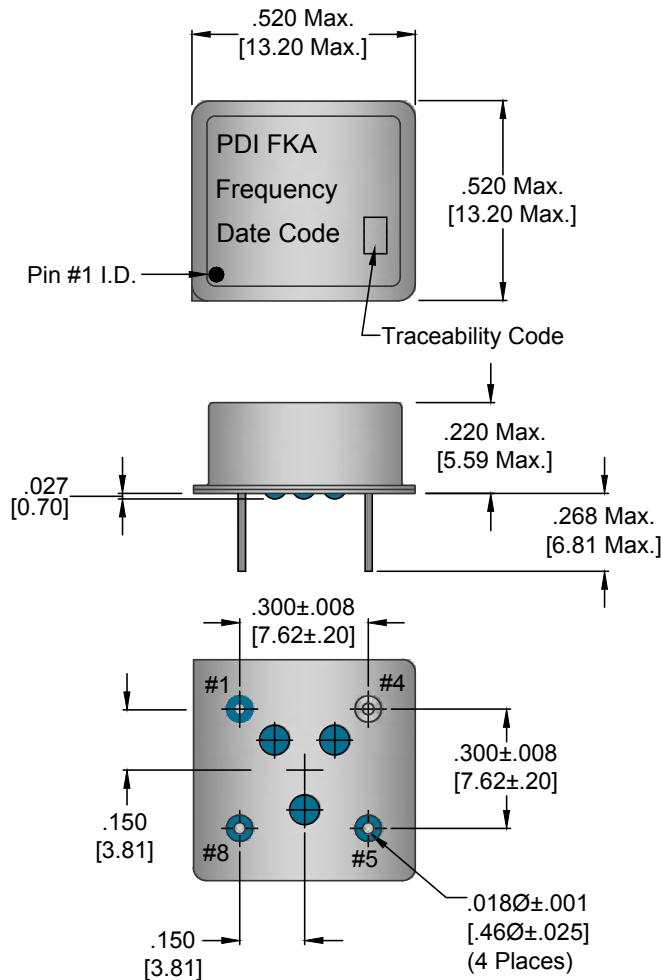
\*(X) for standard or assigned for customization.

Parameter		Supply Voltage*1 Volts (±10%)					Units
		5.0	3.3	3.0	2.5	1.8	V
Frequency Range*1		1.000000 to 166.000000					MHz
Frequency Stability*1	All Causes (Maximum )*2	Per Option					ppm
	Aging (Maximum per year at + 25°C)*3	±5					
Temperature Range*1	Operating	Per Option					°C
	Storage	- 55 to +125					°C
Supply Current (Maximum)	1.000000 to 23.999999 MHz	20	15	15	15	10	mA
	24.000000 to 49.999999 MHz	30	20	20	20	12	
	50.000000 to 69.999999 MHz	40	30	30	30	15	
	70.000000 to 166.000000 MHz	60	45	45	45	25	
Output		Per Option					
Load (Maximum)		15pF/5 TTL gates					
Duty Cycle (at 50 % Vcc)		40 to 60% (45 to 55% option)					
Rise/Fall Times (Maximum)	Rise Time (10 % to 90 % Vcc)	10	8	8	7	6	ns
	Fall Time (90 % to 10 % Vcc)	10	8	8	7	6	
Start up Time (Maximum)		10					ms
Logic Levels	High (Minimum)	90					% Vcc
	Low (Maximum)	10					
Pin 1 (Tri-State) (Option)	High (See below) or Open	Enable					
	Low (See below)*4	Disable					
	High Value (Minimum)	80	80	80	80	80	% Vcc
	Low vValue (Maximum)*4	20	20	20	20	20	% Vcc
	Disable Current (Maximum)*4	50	10	10	10	10	uA
	Enable Delay Time (Maximum)	10					ms
	Disable Delay Time (Maximum)	100	150				ns

# O08-Series 13.20 x 13.20 x 5.59 (mm)

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PIN	CONNECTION
1	Tri-State or No Connect
2	Ground/Case
3	Output
4	Supply Voltage



- \*1 Not all Frequency/Temperature/Voltage combinations are available.
- \*2 Inclusive of calibration at + 25 °C, operating temperature range, input voltage variation, load variation, aging, shock, and vibration.
- \*3 Even though aging is specified in 'All Causes', see \*2 this is a refinement to the 'All Causes' parameter.
- \*4 Internal crystal oscillation halted.

**NOTES:**  
 Terminals are Au.  
 Other options are available, please consult factory.  
 All product is supplied RoHS and REACH compliant.  
 Product can be supplied on Tape and Reel, on reels of 1,000 units.  
 Not all Frequency/Temperature combinations are available.  
 Decimal  $XXX = \pm .008$ ,  $XX = \pm .020$  Metric [ $XXX = \pm .20$ ], [ $XX = \pm .50$ ]  
 Specifications subject to change without notice, last updated 4/1/13.