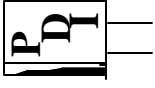


Precision Devices, Inc.

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Sales Information sales@pdixtal.com

Electrical Specifications

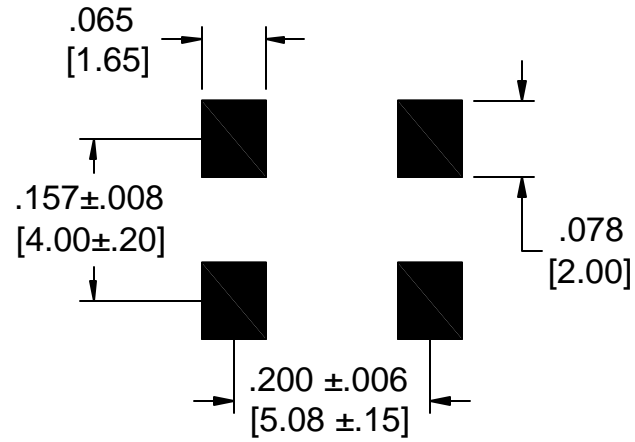
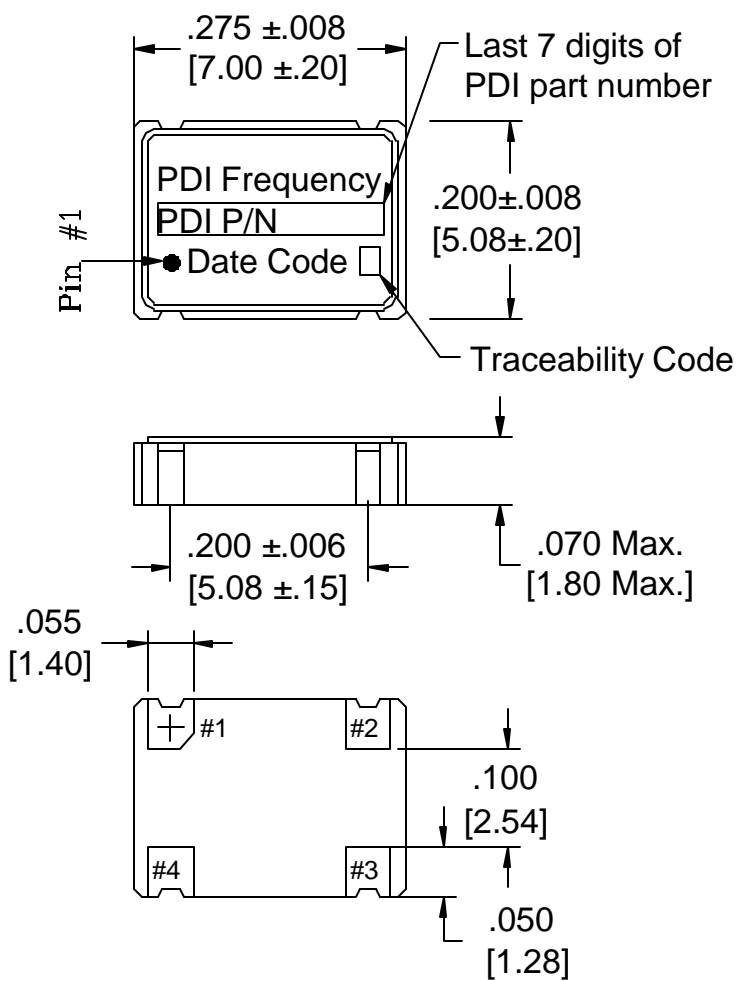
- Center Frequency: 6.312000 MHz
- Output: TTL/CMOS
- Frequency Tolerance @ 25°C: See Frequency Stability
- Operating Temperature Range: 0°C to +70°C
- Frequency Stability: ± 25 ppm (Including Calibration @25°C, Operating Temperature, Supply Voltage Variations, Aging 10 years)
- Storage Temperature Range: -55°C to 125°C
- Duty Cycle (TTL @1.4V, CMOS @50%Vcc): 40/60%
- T-Rise, T-Fall: 6.0nS maximum
- Supply Current: 6.0mA maximum
- Supply Voltage: +3.3Vdc ± 0.15 Vdc
- Output Voltage: TTL at 0.4V to 2.4V
Output Voltage: CMOS at 10%Vcc to 90%Vcc
- Load Capacitance: 15pF
- Phase Jitter: 100ps maximum (peak to peak)
- Fanout (1 to 5 gates): 1.6mA/gate

Note:

- 6 days aging Minimum @ 105°C
- 24 hour settle time before 100% testing @ 25°C
- Sample Perturbation Test Every 1°C

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REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN
FOR PRELIMINARY USE ONLY Specifications subject to change without notice.					
TITLE				FKA	2814
Crystal Oscillator Assembly					
PARTNUMBER			SCALE	ECN.	REV.
OC7E06312XCBAXX			N.T.S.	N/A	N/A
DATE		9/12/08	N.T.S.	N/A	N/A
SIZE		A	CAGE	0S4G1	Page 1 of 2



Recommended Land Pattern

PIN	Connection
1	Enable/Disable
2	Ground
3	Output
4	Vcc



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Manufacturer of Quartz Crystal Products

DECIMAL	DWG FILE	PART NUMBER	
XX=±.020 XXX=±.008	2814	OC7E06312XCBAXX	
METRIC	SCALE	FREQUENCY	DRAWN BY
XX=±.50 XXX=±.20	N.T.S.	6.312000 MHZ	J.Lawinger
ANGULAR	DRAWING TYPE	DATE	
XX=±2°	Crystal Oscillator Assembly	9/12/08	
	REV. LEVEL	ECN NO.	CAGE CODE
	N/A	N/A	0S4G1