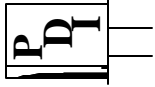
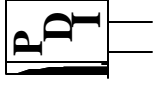


# Precision Devices, Inc.



8840 N. Greenview Dr.  
Middleton, WI 53562  
Phone: 608-831-4445  
1-800-274-XTAL  
Fax: 608-831-3343



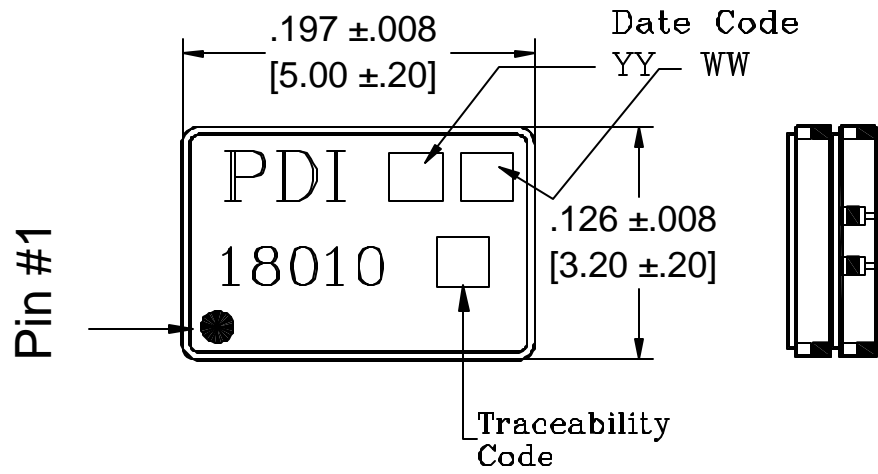
Visit our web site at [www.pdixtal.com](http://www.pdixtal.com)

Sales Information [sales@pdixtal.com](mailto:sales@pdixtal.com)

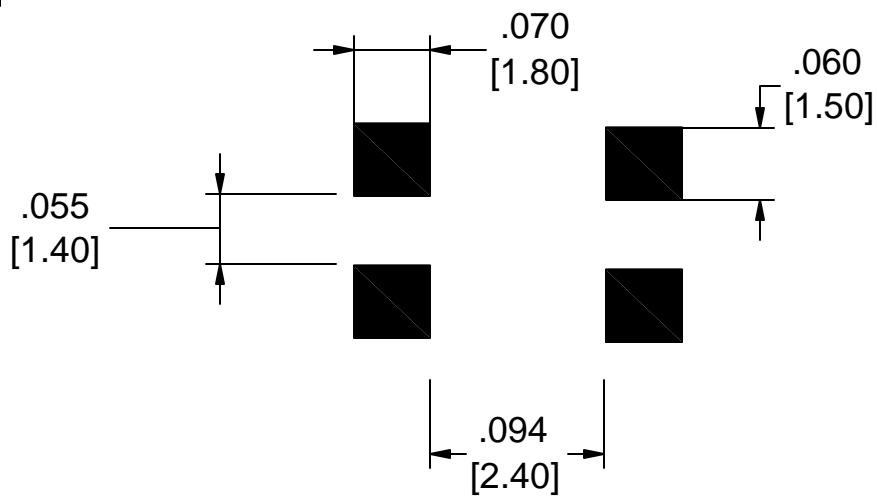
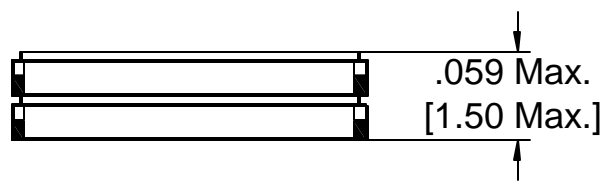
## Electrical Specifications

1. Center Frequency: 14.745600 MHz
2. Frequency Stability (vs. Temperature, Load, Voltage):  $\pm 2.5$ ppm Maximum
3. Frequency Stability vs. Aging:  $\pm 10$ ppm Maximum over 15 years
4. Supply Current: 2.0mA Maximum
5. Supply Voltage: +3.3Vdc  $\pm 5\%$
6. Operating Temperature Range: -40°C to +85°C  
Storage Temperature Range: -55°C to +125°C
7. Output Voltage Level: 0.8V peak-peak.
8. Output Waveform: DC Coupled Clipped Sinewave
9. Start-Up Time: 2.0mS Maximum
10. Output Load: 10K Ohms//10pF $\pm 5\%$
11. Phase Noise:
  - 65dBc/Hz @ 1Hz offset
  - 89dBc/Hz @ 10Hz offset
  - 118dBc/Hz @ 100Hz offset
  - 132dBc/Hz @ 1kHz offset
  - 138dBc/Hz @ 10kHz offset
  - 143dBc/Hz @ 100kHz offset

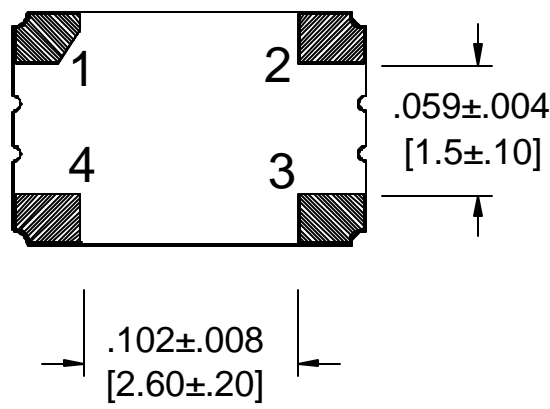
REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN	Originator	Date	Engineering	Date
						J.L.	5/13/09	C.H.	5/13/09
						TITLE Temperature Controlled Oscillator		FKA	18010
						PART NUMBER	TC0514745XWNDXX		
						DATE	SCALE	ECN.	REV.
						5/13/09	N.T.S.		A
						SIZE	CAGE	Page 1 of 2	
						A	0S4G1		



PIN	CONNECTION
1	No Connect
2	Common/Case
3	Output
4	Supply



Recommended Land Pattern



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1-800-274-XTAL



Manufacturer of Quartz Crystal Products

DECIMAL XX=±.020 XXX=±.008	DWG FILE <b>18010</b>	PART NUMBER <b>TC0514745XWNDXX</b>	
METRIC XX=±.50 XXX=±.20	SCALE <b>N.T.S.</b>	FREQUENCY <b>14.745600 MHz</b>	DRAWN BY <b>D. Gibney</b>
ANGULAR XX=±2°	REV. LEVEL <b>A</b>	ECN NO.	CAGE CODE <b>0S4G1</b>
Tmperated Controlled Oscillator			DATE <b>5/13/09</b>
			Page 2 of 2