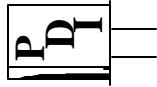


# Precision Devices, Inc.



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



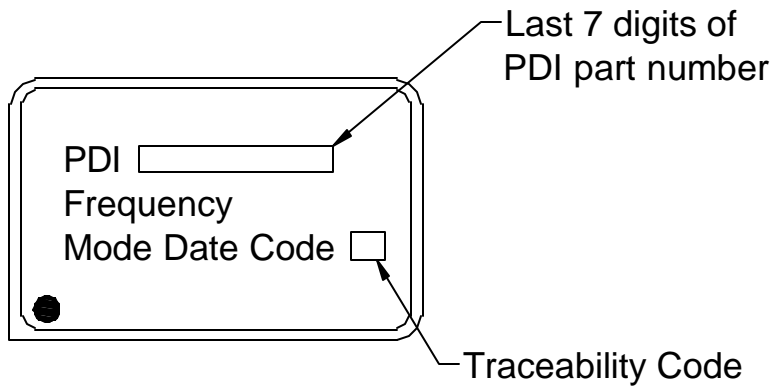
Visit our web site at [www.pdixtal.com](http://www.pdixtal.com)

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

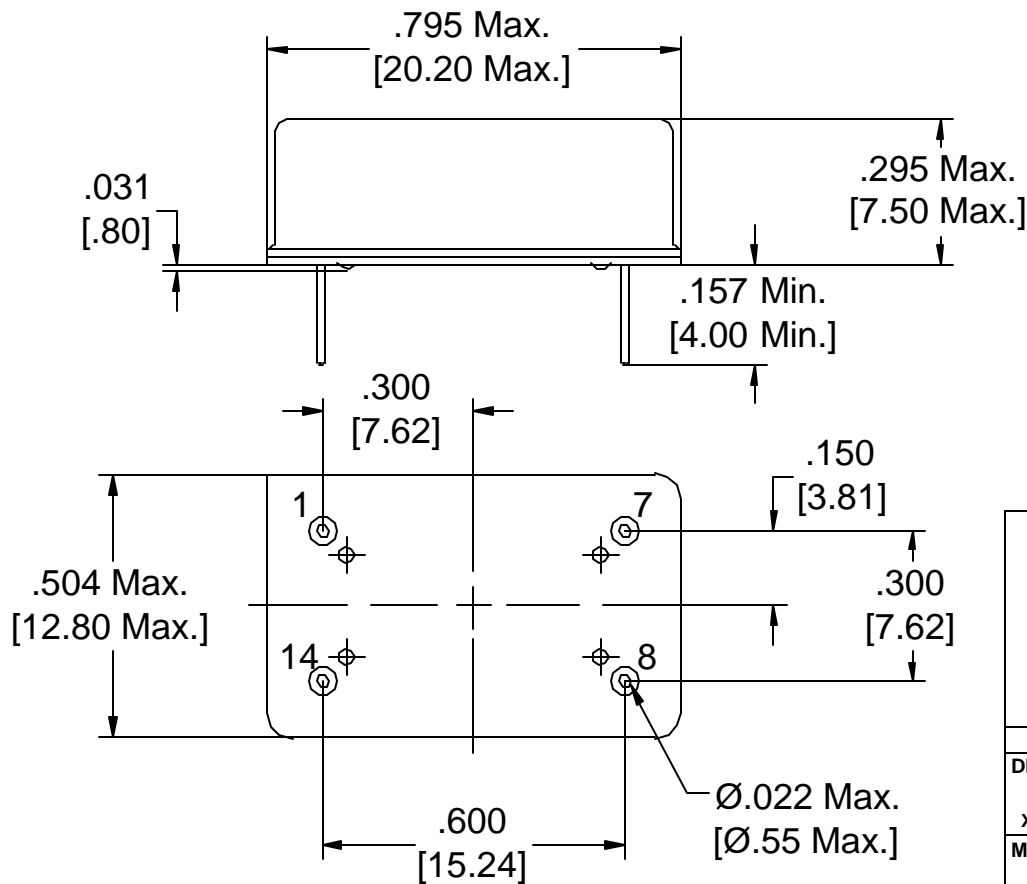
## Electrical Specifications

1. Center Frequency: 14.933300 MHz
2. Output: HCMOS
3. Frequency Stability: vs Tolerance @25°C:  $\pm 1.0$ ppm Maximum  
vs Temperature:  $\pm 0.5$ ppm Maximum
4. Operating Temperature: 0°C to +70°C
5. Storage Temperature: -40°C to +85°C
6. Supply Current: 15mA Maximum
7. Supply Voltage: +3.3Vdc $\pm 5\%$
8. Aging:  $\pm 1.0$ ppm per year Maximum
9. Duty Cycle: 45/55% Maximum
10. Rise/Fall Times: 5nS Maximum
11. Start-up Time: 10mS Maximum
12. Frequency Tuning:  $\pm 5$ ppm Min. for 1.5V $\pm 1.0$ V

REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN
<b>FOR PRELIMINARY USE ONLY</b> Specifications subject to change without notice.					
			TITLE	FKA	18438
			Voltage Controlled Crystal Oscillator		
			PART NUMBER	<b>TV2H14933XHSAXX</b>	
	DATE	SCALE	ECN.	REV.	
	8/27/09	N.T.S.	N/A	N/A	
	SIZE	CAGE	Page 1 of 2		
	A	0S4G1			



Pin	Connection
1	Voltage Control
7	Ground
8	Output
14	Supply



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Manufacturer of Quartz Crystal Products

DECIMAL XX=±.020 XXX=±.008	DWG FILE <b>18438</b>	PART NUMBER <b>TV2H14933XHSAXX</b>	
METRIC XX=±.50 XXX=±.20	SCALE <b>N.T.S.</b>	FREQUENCY <b>14.933300 MHz</b>	DRAWN BY <b>J.Lawinger</b>
ANGULAR XX=±2°	Voltage Controlled Crystal Oscillator		DATE <b>8/27/09</b>
	REV. LEVEL <b>N/A</b>	ECN NO. <b>N/A</b>	CAGE CODE <b>0S4G1</b>