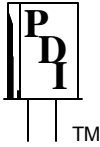
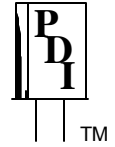


# Precision Devices, Inc.



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)

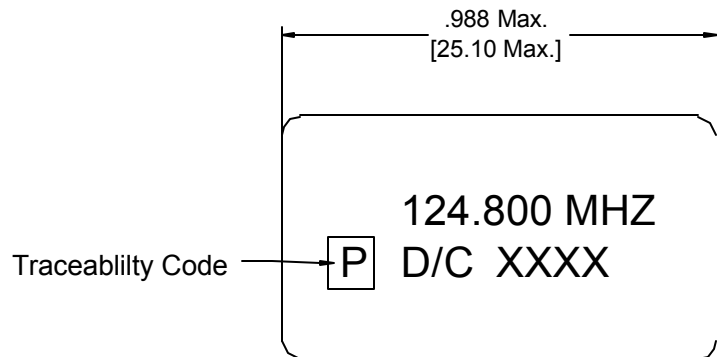
Sales Information [sales@pdixtal.com](mailto:sales@pdixtal.com)

## Electrical Specifications

1. Center Frequency (Fc): 124.800000 MHz  $\pm$ 1.5 kHz
2. Mode of Oscillation: Fundamental
3. Pass Bandwidth:  $\pm$ 35kHz Minimum at 3dB
4. Passband Ripple: 0.5dB Maximum
5. Insertion Loss: 4.0dB Maximum
6. Stop Bandwidth:  $\pm$ 350kHz Maximum at 60dB  
 $\pm$ 768kHz Maximum at 70dB
7. Terminating Impedance (Input/Output): 50 Ohms
8. Ultimate Attenuation: 60dB Minimum
9. Spurious Response: 45dB Minimum
10. Operating Temperature: -45°C to +85°C
11. Insulated Resistance: 500M Ohms Maximum DC100V
12. Aging:  $\pm$ 3ppm/year Maximum
13. Group Delay Time:  $\pm$ 2uSec Maximum at Fc
14. Group Delay Variation: 1uSec Maximum at Fc $\pm$ 20kHz  
 2uSec Maximum at Fc  $\pm$ 35kHz
15. Input Level: 0dBm

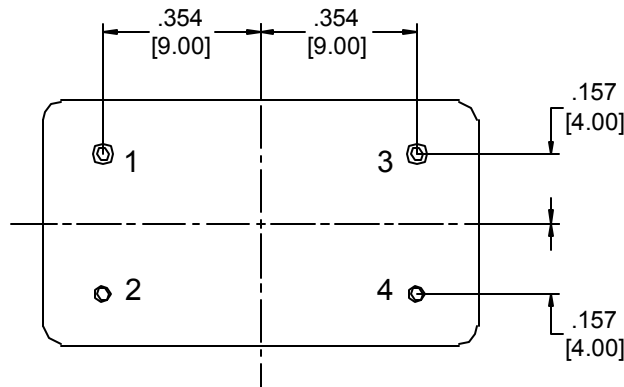
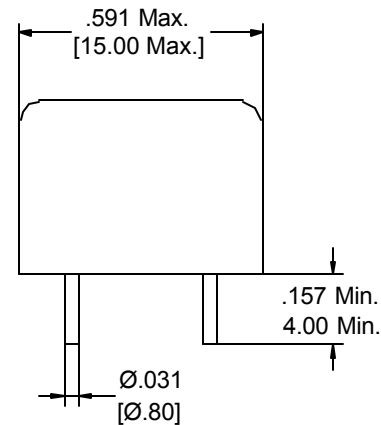
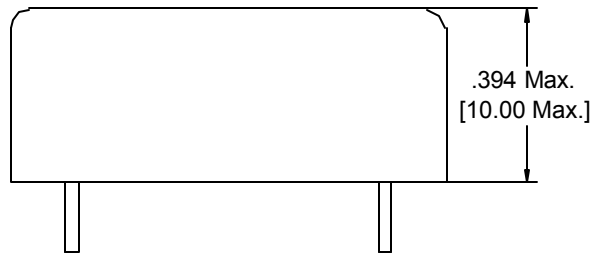
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REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN	<b>FOR PRELIMINARY USE ONLY</b> Specifications subject to change without notice.			
						TITLE		Final Assembly	
						PART NUMBER			
						<b>FTR-80220</b>			
						DATE	SCALE	ECN.	REV.
						2/22/2011	N.T.S.	N/A	N/A
						SIZE	CAGE	Page 1 of 2	
						A	OS4G1		



### PIN CONNECTIONS

1. Input:
2. Case Ground
3. Output
4. Case Ground



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Manufacturer of Quartz Crystal Products

DECIMAL XX=±.020 XXX=±.008		PART NUMBER <b>FTR-80220</b>	
METRIC XX=±.50 XXX=±.20	SCALE <b>N.T.S.</b>	FREQUENCY <b>124.800000 MHz</b>	DRAWN BY <b>D. Gibney</b>
ANGULAR XX=±2°	REV. LEVEL <b>N/A</b>	ECN NO. <b>N/A</b>	DATE <b>2/22/2011</b>
		CAGE CODE <b>0S4G1</b>	<b>Page 2 of 2</b>