

# Precision Devices, Inc.

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



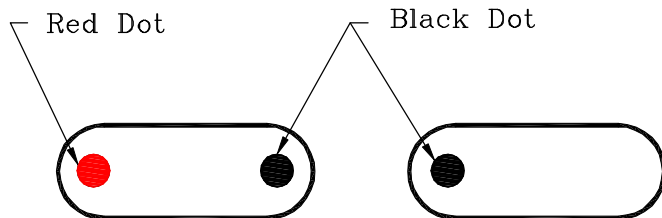
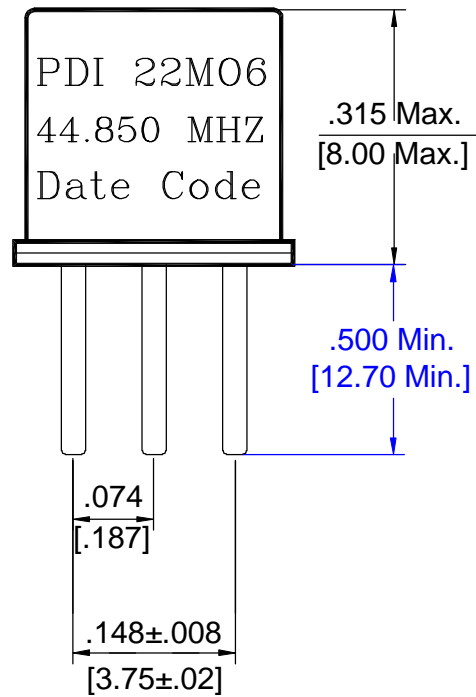
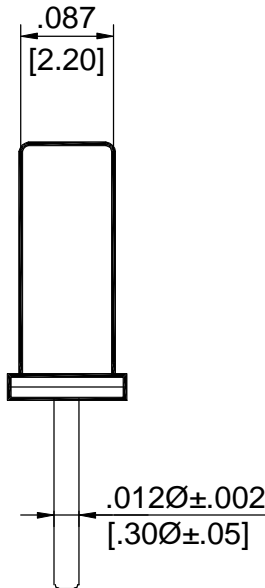
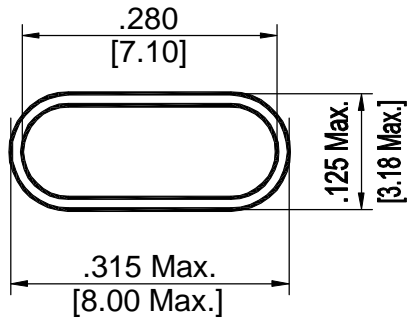
Visit our web site at [www.pdixtal.com](http://www.pdixtal.com)

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

## ELECTRICAL SPECIFICATIONS:

1. Center Frequency: 44.850 Mhz
2. Bandwidth: @3.0db  $\pm$  7.0Khz Minimum
3. Ripple in Passband: 1.0db Maximum  
(Within FO  $\pm$ 4.0 Khz)
4. Insertion Loss: 3.0db Maximum
5. 20.0db Bandwidth:  $\pm$  14.3 Khz Maximum
6. Spurious Response: 35.0 db Minimum  
(FO +20 Khz to FO +500 Khz)
7. Ultimate Attenuation: 90.0db  
(FO +500 Khz to FO +1 Mhz)  
(FO -200 KHz to FO -1 Mhz)
8. Terminating Impedance: 550//3.0pf
9. Temperature Stability:  $\pm$  30 ppm
10. Aging Stability:  $\pm$  5 ppm Maximum
11. Vibration Stability:  $\pm$  10 ppm Maximum
12. Mechanical Shock Stability:  $\pm$  10ppm Maximum
13. Thermal Shock Stability:  $\pm$  10ppm Maximum
14. Operating Temperature Range: -30° to +80°C
15. Package: (2) Matched UM-1 Resistance Weld

REV.	DATE	PAGE	DESCRIPTION	Auth.	ECN	Originator	Date	Engineering	Date
						D.G.	10/15/04	M.R.	10/15/04
						TITLE Final Assembly			
						PART NUMBER <b>FTR-3178</b>			
B	9/97	1	Revised Electrical Specifications	D.G.	0196	SCALE N.T.S.	ECN. 0196	REV. B	
A	8/97	1	Revised Electrical Specifications	D.G.	0153	SIZE A	CAGE OS4G1	Page 1 of 2	



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Manufacturer of Quartz Crystal Products

DECIMAL XX=±.020 XXX=±.008	PART NUMBER <b>FTR-3178</b>		DRAWN BY D. Gibney
METRIC XX=±.50 XXX=±.20	SCALE N.T.S.	FREQUENCY 44.85000 MHz	DATE 10/15/04
ANGULAR XX=±2°	REV. LEVEL B	ECN NO. 0196	CAGE CODE OS4G1