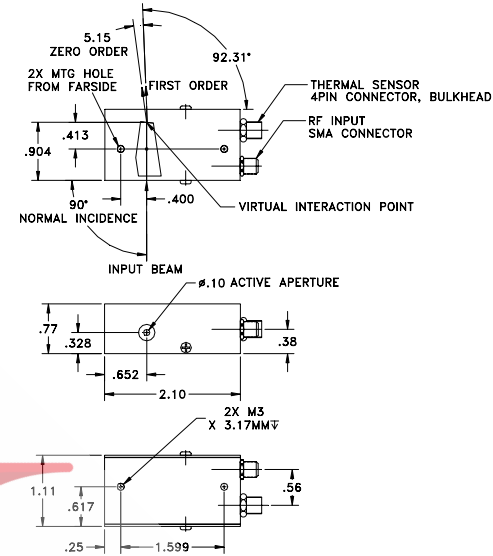


**SPECIFICATIONS**

AO Medium	TeO2
Acoustic Velocity	.68 mm/μs
Active Aperture*	2.5 mm Dia
RF Frequency Range	80-152 MHz
RF Bandpass (FWHM)	1115 KHz @ 515 nm
Wavelength Range	430-670 nm
VSWR	2.4 :1 Max
Input Impedance	50 Ohms Nominal
Insertion Loss	3 % Max
Temperature Sensitivity	0.05 nm/C
Diffacted Beam Collinearity, min deviation	0.01 degrees
Input Optical Polarization	Vertical
Output Optical Polarization	Horizontal
Max RF Power	3 W

**Outline Drawing:**

**Package 97-02885-04-15r1**



**Document**  
**04/23/08**  
**Control**

Notes:  
Simultaneous Diffraction, any 8 wavelengths  
Random Wavelength Access Time: < 1.5 usec (1 mm Beam Diameter)  
FWHM @ 515 = 3.5nm  
Max RF Power with 8 Simultaneous Frequencies = 3W

**Special Testing**

Diffraction Efficiency  
(per wavelength input divergence < 2 mrad)

Min	Units	Max
90	%	

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TOLERANCES: XX ± .01 .XXX ± .005	DR	Tom NG 4/18/2008	<b>Crystal Technology, Inc.</b> DESCRIPTION: <b>AOTF PCAOM</b> 80-152 MHz Vert. Pol. 4X
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: <b>97-02885-04</b>
			REV: <b>C</b>
			SHEET 1 OF 1

\*Active Aperture: Aperture over which performance specifications apply.