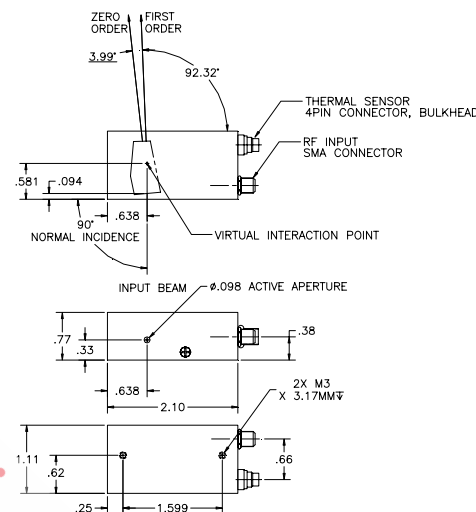


# SPECIFICATIONS

AO Medium	TeO2
Acoustic Velocity	.68 mm/μs
Active Aperture*	2.5 mm Dia
RF Frequency Range	92-132 MHz
RF Bandpass (FWHM)	560 KHz @ 390 nm
Wavelength Range	351-430 nm
VSWR	2.4 :1 Max
Input Impedance	50 Ohms Nominal
Insertion Loss	10 % 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	1 watt

## Outline Drawing:

Package 97-02837-31-15r1



Document

05/07/09

Control

### Notes:

Simultaneous Diffraction, any 8 wavelengths  
 Random Wavelength Access Time: < 1.5 usec (1 mm Beam Diameter)  
 Max RF Power with 8 Simultaneous Frequencies = 1W

### Special Testing

Diffraction Efficiency  
 (per wavelength input divergence < 2 mrad)

Min	Units	Max
90	%	

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TOLERANCES: XX ± .01 .XXX ± .005	DR	G. Scholz 4/30/2009	Crystal Technology, Inc.		
MATERIAL:	CHK		DESCRIPTION: AOTF PCAOM UV 351-430, 2X		
FINISH:	APP		PART NUMBER:	REV:	SHEET 1 OF 1
	APP		97-02837-31	C	

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