

SPECIFICATIONS

AO Medium	TeO ₂
Acoustic Velocity	.68 mm/μs
Active Aperture*	2.5 mm Dia
RF Frequency Range	55-100 MHz
RF Bandpass (FWHM)	530 KHz @ 405 nm
Wavelength Range	400-650 nm
VSWR	2.8 :1 Max
Input Impedance	50 Ohms Nominal
Insertion Loss	5 % 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	2 watt

Document

04/05/17

Control

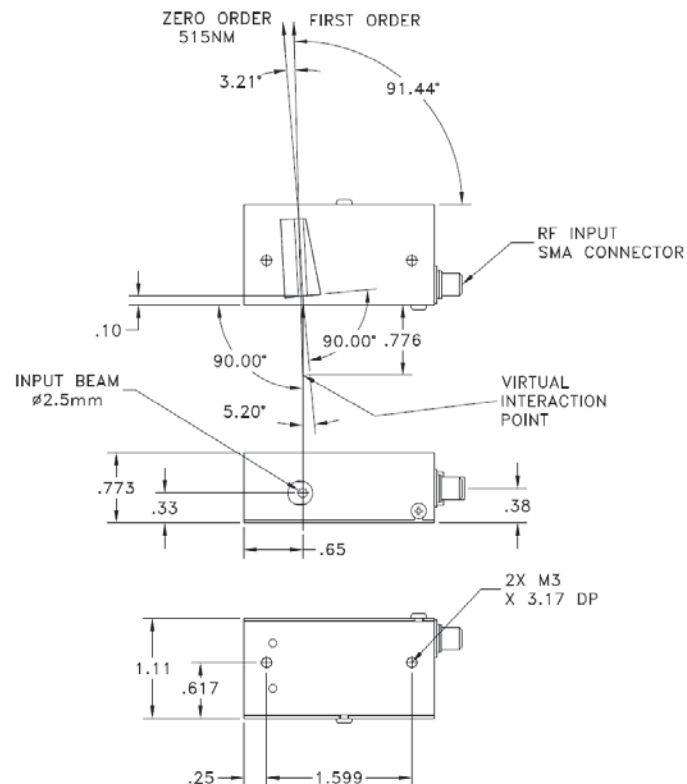
Special Testing

Diffraction Efficiency
(per wavelength input divergence < 2 mrad)

Min	Units	Max
90	%	

Outline Drawing:

Package 97-03151-03-15rA



Notes:

Simultaneous Diffraction, any 8 wavelengths
Max RF Power with 8 Simultaneous Frequencies = 2W
VSWR 2.8:1 = 6.5 dB Return Loss.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	G. Scholz 4/3/2017	Gooch & Housego		
MATERIAL:	CHK		DESCRIPTION: AOTF PCAOM		
FINISH:	APP		VIS 400-650		
	APP		PART NUMBER: 97-03151-03	REV: A	SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.