

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

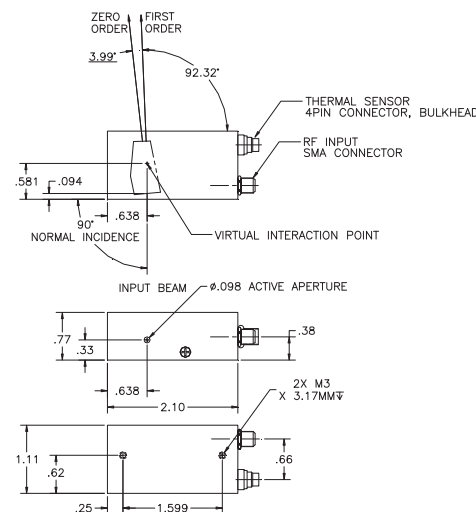
Special Testing

Diffraction Efficiency
(per wavelength input divergence < 2 mrad)

Min	Units	Max
90	%	

Outline Drawing:

Package 97-02837-31-15r1



Document

08/16/16

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

THIS DOCUMENT IS THE PROPERTY OF GOOCH AND HOUSEGO. IT IS NOT TO BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OTHER THAN BY EMPLOYEES GOOCH AND HOUSEGO AND ITS CONTRACTED REPRESENTATIVES AND DISTRIBUTORS. ANY EXCEPTION REQUIRES THE WRITTEN CONSENT OF AN AUTHORIZED REPRESENTATIVE OF GOOCH AND HOUSEGO.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	G. Scholz 8/1/2016	Gooch & Housego		
MATERIAL:	CHK		DESCRIPTION: AOTF PCAOM UV 351-430, 2X		
FINISH:	APP		PART NUMBER: 97-02837-31	REV: E	SHEET 1 OF 1
	APP				

*Active Aperture: Aperture over which performance specifications apply.