

SPECIFICATIONS

AO Medium	TeO2
Acoustic Velocity	.68 mm/μs
Active Aperture*	2.5 mm Dia
RF Frequency Range	65-125 MHz
RF Bandpass (FWHM)	1115 KHz @ 800 nm
Wavelength Range	500-850 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	2 watt

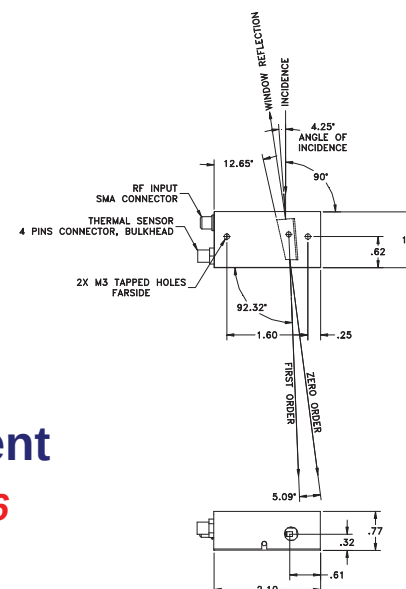
Special Testing

Diffraction Efficiency
(per wavelength input divergence < 2 mrad)

Min	Units	Max
90	%	

Outline Drawing:

Package 97-02986-01



Document
08/16/16
Control

Notes:

Simultaneous Diffraction, multi frequency capable.
Random Wavelength Access Time: < 1.5 usec (1 mm Beam Diameter)
Max RF Power with 8 Simultaneous Frequencies = 2W
Passband at 800=10nm, 500=3.3nm

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	Tom NG 8/1/2016			
MATERIAL:	CHK				
	APP		AOTF PCAOM NIR 65-125MHz Vert. Pol.		
	APP				
			PART NUMBER:	97-03309-01	REV: 4
			SHEET 1 OF 1		

*Active Aperture: Aperture over which performance specifications apply.