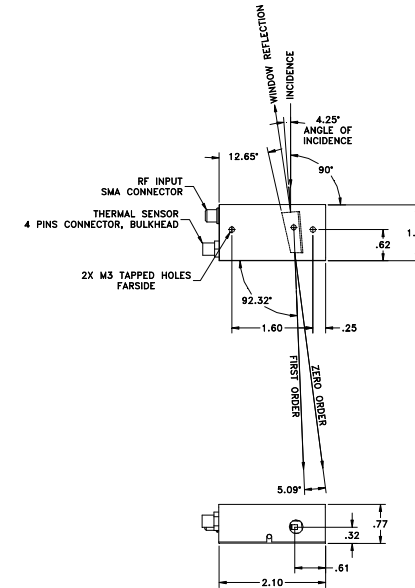


SPECIFICATIONS

AO Medium	TeO2
Acoustic Velocity	.68 mm/μs
Active Aperture*	2.5 mm Dia
RF Frequency Range	25-50 MHz
RF Bandpass (FWHM)	280 KHz @ 1550 nm
Wavelength Range	1100-2000 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	2W

Outline Drawing:

Package 97-02986-01



Document

12/09/13

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

Special Testing

Diffraction Efficiency
(per wavelength input divergence < 2 mrad)

Min	Units	Max
90	%	

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 11/22/2013	 DESCRIPTION: AOTF PCAOM N.I.R 2 25-50MHz Vert. Pol.		
MATERIAL:	CHK				
FINISH:	APP				
	APP		PART NUMBER: 97-02996-01	REV: C	SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.