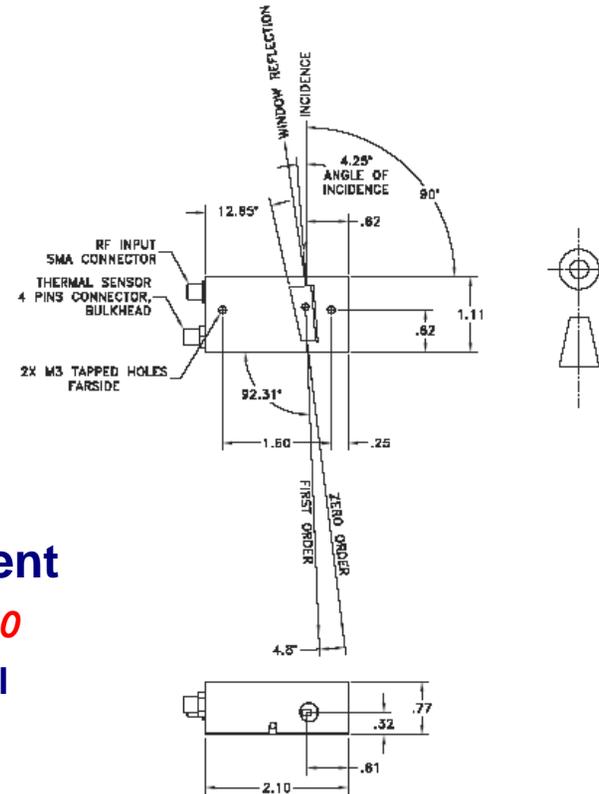


SPECIFICATIONS

AO Medium	TeO2
Acoustic Velocity	.68 mm/μs
Active Aperture*	2.5 mm Dia
RF Frequency Range	48-86 MHz
RF Bandpass (FWHM)	280 KHz @ 1060 nm
Wavelength Range	640-1100 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

Outline Drawing: Package 97-02986-01rC



Document
10/18/10
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
 First and Zero Order angles shown in the outline drawing, calculated for 830nm wavelength.

Special Testing

Diffraction Efficiency
(per wavelength input divergence < 2 mrad)

Min	Units	Max
90	%	

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Gerri Scholz 10/7/2010	 AOTF PCAOM N.I.R 48-86MHz Vert. Pol.
MATERIAL:	CHK		
FINISH:	APP		
	APP	PART NUMBER: 97-02986-01	REV: C SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.