

SPECIFICATIONS

AO Medium	TeO2
Acoustic Velocity	.68 mm/μs
Active Aperture*	2.5 mm Dia
RF Frequency Range	38-70 MHz
RF Bandpass (FWHM)	280 KHz @ 1060 nm
Wavelength Range	800-1400 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

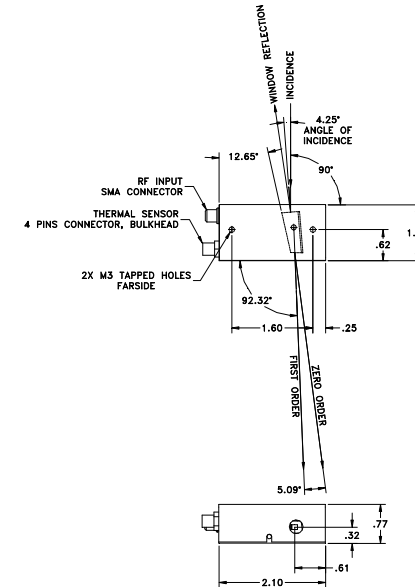
Special Testing

Diffraction Efficiency
(per wavelength input divergence < 2 mrad)

Min	Units	Max
90	%	

Outline Drawing:

Package 97-02986-01



Document

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

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 11/22/2013	 AOTF PCAOM N.I.R 800-1400nm Vert. Pol.		
MATERIAL:	CHK				
FINISH:	APP				
	APP		PART NUMBER: 97-02986-03	REV: 2	SHEET 1 OF 1

*Active Aperture: Aperture over which performance specifications apply.