

SPECIFICATIONS

AO Medium	TeO ₂	
Acoustic Velocity	4.2 mm/μs	
Active Aperture*	1 mm 'L' X	0.1 mm 'H'
Center Frequency (Fc)	200 MHz	
RF Bandwidth	90 MHz @	-10 dB Return Loss
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.3 :1 Max	
Wavelength	1550 nm	
Insertion Loss	4 % Max	
Reflectivity per Surface	0.5 % Max	
Anti-Reflection Coating	MIL-C-48497	
Optical Power Density	50 W/mm ²	
Contrast Ratio	1000 :1 Min	
Polarization	90 ° To Mounting Plane	

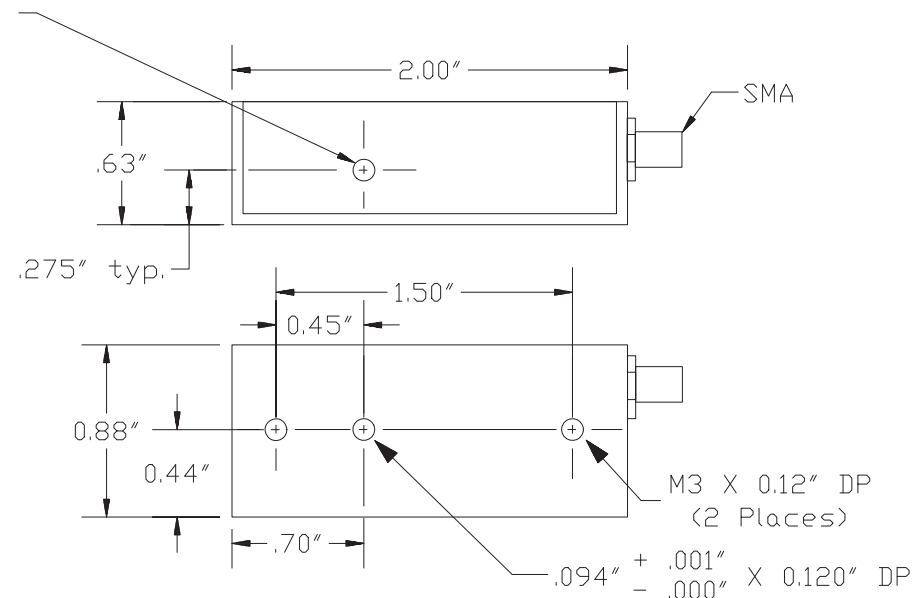
PERFORMANCE VS WAVELENGTH

Wavelength (nm)	1550
Peak RF Power (W)	3
Bragg Angle (mr)	36.9
Beam Separation (mr)	73.8

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	50	65
at Wavelength (nm)	1550	1550
Diffraction Efficiency (%)	50	55
Rise Time (nsec)	10	12
Modulation Bandwidth	N/A	N/A

Outline Drawing:



Document

06/12/15

Control

Notes:

Maximum average RF power must not exceed 1W.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 6/10/2015		
MATERIAL:	CHK			
FINISH:	APP		AOMO 3200-1913 TEO ₂ : 1.55 μm	
	APP			
		PART NUMBER:	97-03251-01	REV: 2
		SHEET 1 OF 1		

*Active Aperture: Aperture over which performance specifications apply.