

**SPECIFICATIONS**

AO Medium	Crystalline Quartz	
Acoustic Velocity	5.74 mm/μs	
Active Aperture*	0.5 mm 'L' X	0.25 mm 'H'
Center Frequency (Fc)	200 MHz	
RF Bandwidth	100 MHz @	-5 dB Return Loss
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.4 :1 Max	
Wavelength	325-365 nm	
Insertion Loss	5 % Max	
Reflectivity per Surface	1 % Max	
Anti-Reflection Coating	MIL-C-48497	
Optical Power Density	N/A W/mm <sup>2</sup>	
Contrast Ratio	1000 :1 Min	
Polarization	90 ° To Mounting Plane	

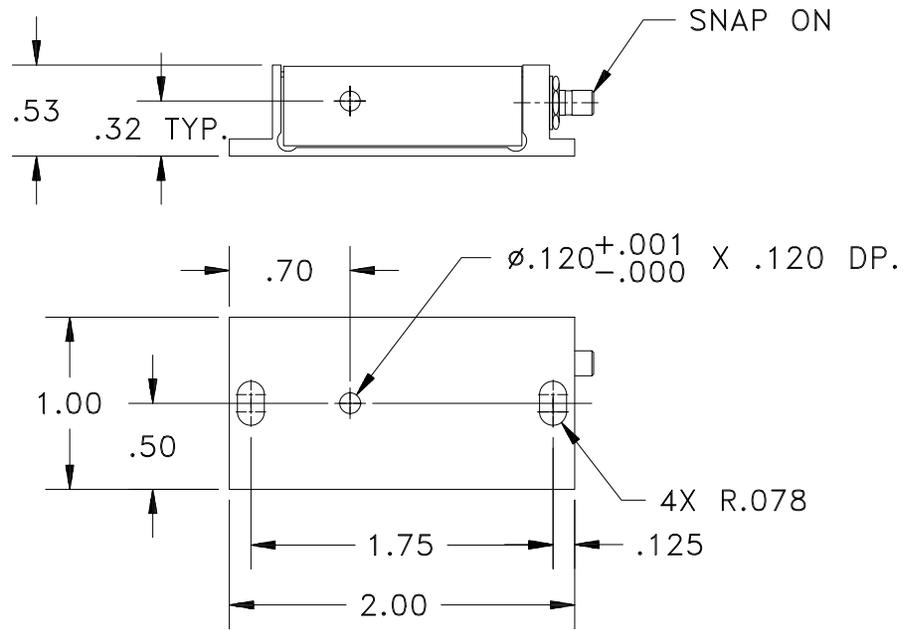
**PERFORMANCE VS WAVELENGTH**

<b>Wavelength (nm)</b>	<b>325</b>	<b>365</b>
Operational RF Power (W)	2.5	2.5
Bragg Angle (mr)	5.7	6.4
Beam Separation (mr)	11.4	12.8

**PERFORMANCE VS BEAM DIAMETER**

<b>Beam Diameter (μm)</b>	<b>70</b>	<b>70</b>
<i>at Wavelength (nm)</i>	325	365
Diffraction Efficiency (%)	80	80
Rise Time (nsec)	10	10
Modulation Bandwidth	100	100
Beam Ellipticity	NA	NA

**Outline Drawing:**



**Document**

**10/31/13**

**Control**

Notes:  
 \* Saturation RF Power is 3.4 Watts

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 10/8/2013	 <b>DESCRIPTION:</b> <b>AOMO 3200-1210</b> 325 -365nm (UV)		
MATERIAL:	CHK				
FINISH:	APP				
	APP		PART NUMBER: 97-02377-01	REV: D	SHEET 1 OF 1

\*Active Aperture: Aperture over which performance specifications apply.