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^2
Contrast Ratio				1000 :1 Min
Polarization			90	° To Mounting Plane

PERFORMANCE VS WAVELENGTH

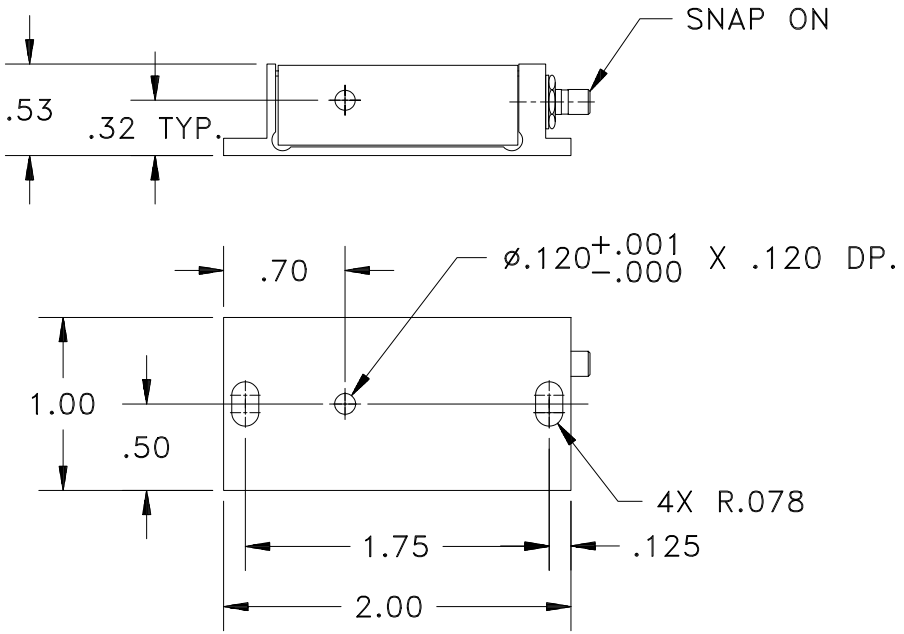
Wavelength (nm)	**325**	**365**
Operational RF Power (W)	2.5	2.5
Bragg Angle (mr)	5.7	6.4
Beam Separation (mr)	11.4	12.8

PERFORMANCE VS BEAM DIAMETER

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

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



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Control

Notes:
* Saturation RF Power is 3.4 Watts

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