SPECIFICATIONS

AO Medium		Crystalline Quartz
Acoustic Velocity		5.74 mm/µs
Active Aperture*	2.5 mm 'L' X	0.2 mm 'H'
Center Frequency (Fc)		307.5 MHz
RF Bandwidth	150 MHz @ -8.5 dB	Return Loss
Input Impedance		50 Ohms Nominal
VSWR @ Fc		1.4 :1 Max
Wavelength		413 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

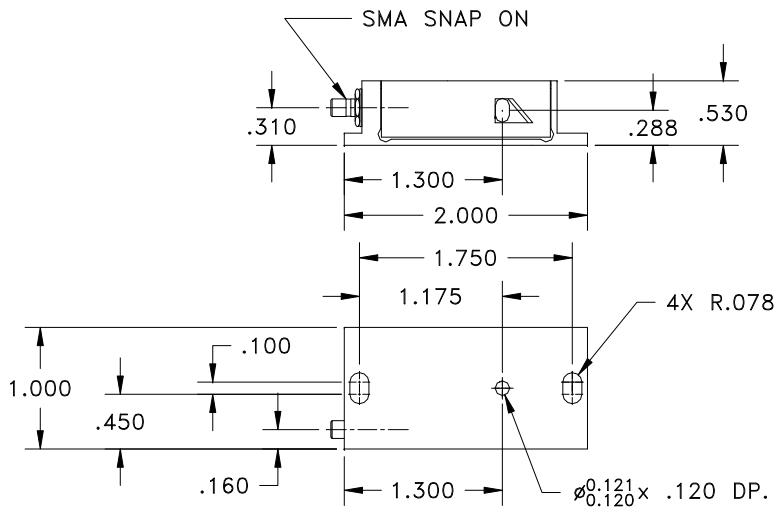
Wavelength (nm)	**413**
Operational RF Power (W)	2.5
Bragg Angle (mr)	11.1
Beam Separation (mr)	22.2

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**30**	
at Wavelength (nm)	413	
Diffraction Efficiency (%)	45	
Rise Time (nsec)	7	
Modulation Bandwidth		
Beam Ellipticity	NA	NA

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document

10/31/13

Control

Notes:
Heatsink is attached to top surface of cell.

THIS DOCUMENT IS THE PROPERTY OF GOOCH AND HOUSEGO. IT IS NOT TO BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OTHER THAN BY EMPLOYEES OF GOOCH AND HOUSEGO AND ITS CONTRACTED REPRESENTATIVES AND DISTRIBUTORS. ANY EXCEPTION REQUIRES THE WRITTEN CONSENT OF AN AUTHORIZED REPRESENTATIVE OF GOOCH AND HOUSEGO.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	G. Scholz 10/7/2013	Gooch & Housego		
MATERIAL:	CHK		DESCRIPTION: AOMO 3307-121 413 nm		
FINISH:	APP				
	APP		PART NUMBER: 97-02818-01	REV: B	SHEET 1 OF 1