SPECIFICATIONS

AO Medium				TeO2
Acoustic Velocity				4.2 mm/µs
Active Aperture*	2.5	mm 'L' X	0.45	mm 'H'
Center Frequency (Fc)				200 MHz
RF Bandwidth	50 MHz @		-10 dB	Return Loss
Input Impedance				50 Ohms Nominal
VSWR @ Fc				1.3 :1 Max
Wavelength				413-442 nm
Insertion Loss				5 % Max
Reflectivity per Surface				1 % Max
Anti-Reflection Coating				MIL-C-48497
Optical Power Density				250 W/mm^2
Contrast Ratio				1000 :1 Min
Polarization			90	° To Mounting Plane

PERFORMANCE VS WAVELENGTH

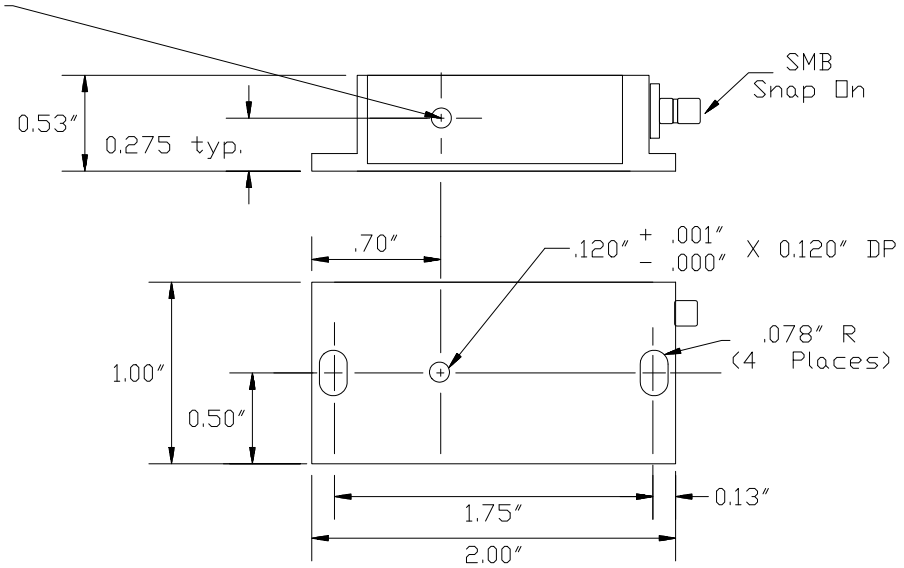
Wavelength (nm)	**488**	**413**
Saturation RF Power (W)	0.6	0.4
Bragg Angle (mr)	11.6	9.8
Beam Separation (mr)	23.2	19.6

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**60**	**80**	**100**	**120**
at Wavelength (nm)	413	413	413	413
Diffraction Efficiency (%)	75	80	80	80
Rise Time (nsec)	13	16	19	22
Modulation Bandwidth	52	40	31	26.5
Beam Ellipticity	15	8	4	2

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document

10/31/13

Control

Notes:

TOLERANCES: .XX ± .01 .XXX ± .005	DR	Geri Scholz 10/7/2013	Gooch & Housego	
MATERIAL:	CHK		DESCRIPTION: **AOMO 3200-129** 200 MHz SMB-2 413 nm	
FINISH:	APP			
	APP		PART NUMBER: 97-02197-01	REV: B / SHEET 1 OF 1