SPECIFICATIONS

AO Medium				TeO2
Acoustic Velocity				4.2 mm/µs
Active Aperture*	2.5	mm 'L' X	2	mm 'H'
Center Frequency (Fc)				80 MHz
RF Bandwidth	25 MHz @		-9 dB	Return Loss
Input Impedance				50 Ohms Nominal
VSWR @ Fc				1.3 :1 Max
Wavelength				442-633 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

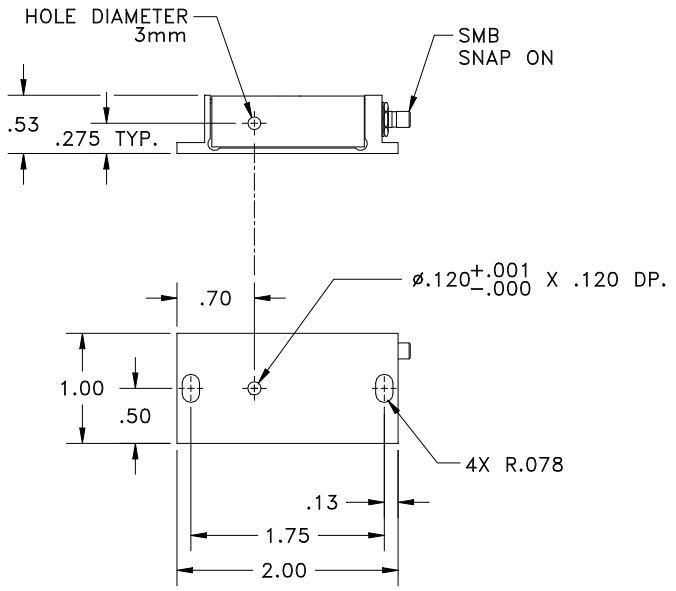
Wavelength (nm)	**515**	**633**
Saturation RF Power (W)	0.65	1.0
Bragg Angle (mr)	4.9	6
Beam Separation (mr)	9.8	12

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**125**	**200**	**400**
at Wavelength (nm)	633	633	633
Diffraction Efficiency (%)	65	80	90
Rise Time (nsec)	23	34	65
Modulation Bandwidth	20	12	6
Beam Ellipticity	NA	NA	NA

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Document

10/31/13

Control

Notes:

TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 10/7/2013	Gooch & Housego		
MATERIAL:	CHK		DESCRIPTION: AOMO 3080-125		
FINISH:	APP				
	APP		PART NUMBER: 97-01598-01	REV: D	SHEET 1 OF 1