SPECIFICATIONS

AO Medium				TeO2
Acoustic Velocity				4.2 mm/µs
Active Aperture*	2	mm 'L' X	0.1	mm 'H'
Center Frequency (Fc)				350 MHz
RF Bandwidth	150 MHz @		-10 dB	Return Loss
Input Impedance				50 Ohms Nominal
VSWR @ Fc				1.3 :1 Max
Wavelength				488-532 nm
Insertion Loss				4 % Max
Reflectivity per Surface				1 % Max
Anti-Reflection Coating				MIL-C-48497
Optical Power Density				TBD ^{2}
Contrast Ratio				1500 :1 Min
Polarization			90	° To Mounting Plane

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	**488**	**532**
Operational RF Power (W)	1.0	1.0
Bragg Angle (mr)	20.3	22.2
Beam Separation (mr)	40.6	44.4

PERFORMANCE VS BEAM DIAMETER

Beam Diameter (µm)	**30**	**30**
at Wavelength (nm)	488	532
Diffraction Efficiency (%)	75	70
Rise Time (nsec)	6	6

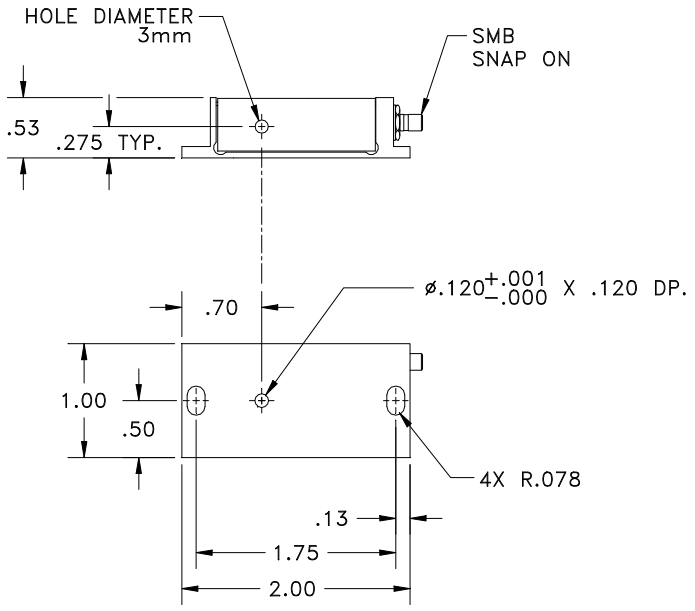
Document

10/31/13

Control

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:



Notes:
Maximum RF Power is 1.25 Watts.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	T. Pham 10/7/2013	Gooch & Housego	
MATERIAL:	CHK		DESCRIPTION: AOMO 3350-120	
FINISH:	APP			
	APP		PART NUMBER: 97-02089-01	REV: G / SHEET 1 OF 1