

SPECIFICATIONS

AO Medium	TeO ₂	
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

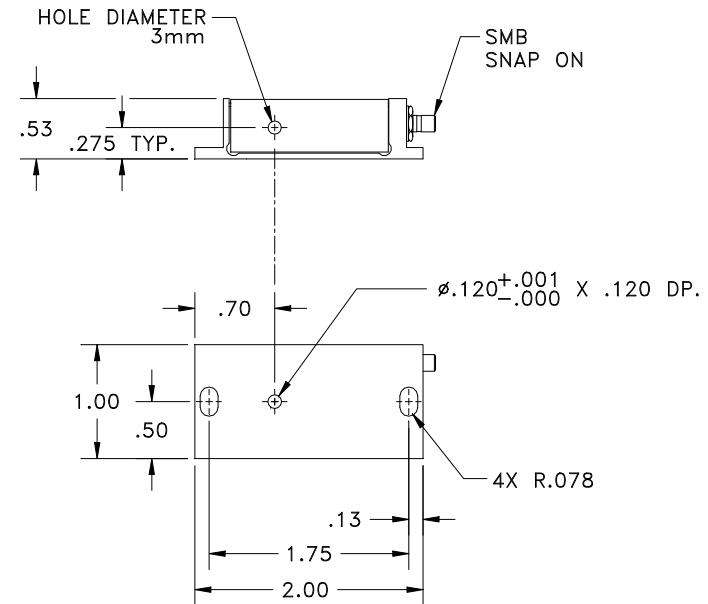
PERFORMANCE VS BEAM DIAMETER

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.

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