

**SPECIFICATIONS**

AO Medium		TeO2
Acoustic Velocity		4.2 mm/μs
Active Aperture*	2.5 mm 'L' X	1 mm 'H'
Center Frequency (Fc)		80 MHz
RF Bandwidth	20 MHz @	-10 dB Return Loss
Input Impedance		50 Ohms Nominal
VSWR @ Fc		1.3 :1 Max
Wavelength		442-633 nm
Insertion Loss		4 % Max
Reflectivity per Surface		1 % Max
Anti-Reflection Coating		MIL-C-48497
Optical Power Density		250 W/mm <sup>2</sup>
Contrast Ratio		1000 :1 Min
Polarization		90 ° To Mounting Plane

**PERFORMANCE VS WAVELENGTH**

Wavelength (nm)	442	488	515	633
Saturation RF Power (W)	0.27	0.33	0.36	0.55
Bragg Angle (mr)	4.2	4.6	4.9	6
Beam Separation (mr)	8.4	9.2	9.8	12

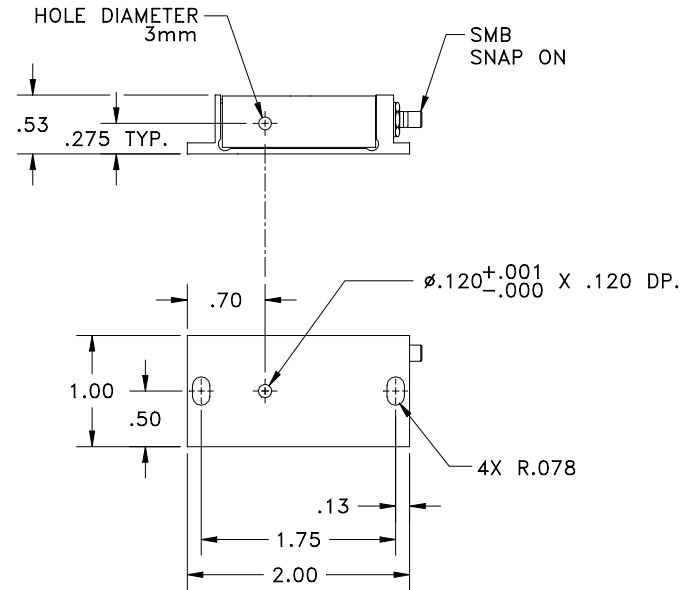
**PERFORMANCE VS BEAM DIAMETER**

Beam Diameter (μm)	200	300	500
at Wavelength (nm)	633	633	633
Diffraction Efficiency (%)	80	83	85
Rise Time (nsec)	34	49	80
	15.9	10.6	6.3
	10	5	1

**For Reference Only**

\*Active Aperture: Aperture over which performance specifications apply.

**Outline Drawing: Package AOMO 3080-120**



**Ordering Information:**

**XSoptix**  
 800 Village Walk #316  
 Guilford, CT 06437  
 Ph: 203-401-8093  
 Email orders to: [sales@xsoptix.com](mailto:sales@xsoptix.com)  
 Fax orders to: 800-878-7282

**Notes:**  
 Optical Ghosting Due To Acoustic Reflection 0.5% Maximum.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/17/2002	<b>Crystal Technology, Inc.</b> DESCRIPTION: <b>AOMO 3080-120</b>
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: <b>99-48201-11</b>
			REV: <b>F</b>
			SHEET 1 OF 1