

**SPECIFICATIONS**

AO Medium		TeO <sub>2</sub>
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		442-488 nm
Insertion Loss		5 % 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**

<b>Wavelength (nm)</b>	<b>442</b>	<b>488</b>
Saturation RF Power (W)	0.53	0.65
Bragg Angle (mr)	10.5	11.6
Beam Separation (mr)	21	23.2

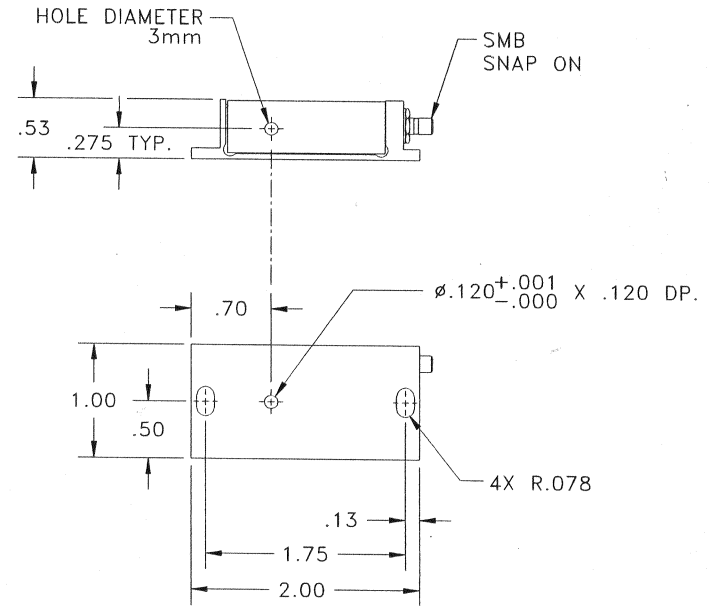
**PERFORMANCE VS BEAM DIAMETER**

<b>Beam Diameter (μm)</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>
<i>at Wavelength (nm)</i>	488	488	488	488
Diffraction Efficiency (%)	70	75	80	80
Rise Time (nsec)	13	16	19	23
Modulation Bandwidth	52	40	31	26.5
Beam Ellipticity	15	8	4	2

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

**Outline Drawing:**

**Package AOMO 3200-120**



**For Reference Only**

**DOCUMENT**

APR 24 2001

**CONTROL**

**Notes:**

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 3/8/2001	<b>Crystal Technology, Inc.</b> <b>AOMO 3200-120</b> 200 MHz, SMB-2 (FLANGED)
MATERIAL:	CHK		
FINISH:	APP	<i>DPL 4/23/01</i>	
	APP		
		PART NUMBER:	99-48146-10
		REV:	F
			SHEET 1 OF 1