

**SPECIFICATIONS**

AO Medium		TeO <sub>2</sub>
Acoustic Velocity		4.2 mm/μs
Active Aperture*	2.5 mm 'L' X	0.32 mm 'H'
Center Frequency (Fc)		200 MHz
RF Bandwidth	50 MHz @	-9 dB Return Loss
Input Impedance		50 Ohms Nominal
VSWR @ Fc		1.3:1 Max
Wavelength		515-633 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**

<b>Wavelength (nm)</b>	<b>515</b>	<b>633</b>
Saturation RF Power (W)	0.7	1.0
Bragg Angle (mr)	12.3	15.1
Beam Separation (mr)	24.6	30.2

**PERFORMANCE VS BEAM DIAMETER**

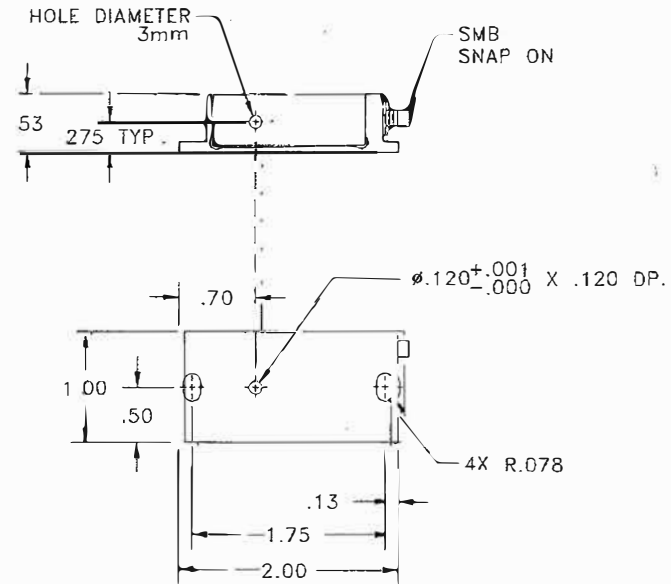
<b>Beam Diameter (μm)</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>
<i>at Wavelength (nm)</i>	633	633	633	633
Diffraction Efficiency (%)	70	75	80	80
Rise Time (nsec)	14	17	20	23
Modulation Bandwidth	52	40	31	26.5
	15	8	4	2

**For Reference  
Only**

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

**Outline Drawing:**

**Package AOMO 3200-121**



**Ordering Information:**

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**Notes:**

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Camp 3/9/2001	<b>Crystal Technology, Inc.</b>
SERIAL:	CHK		DESCRIPTION: <b>AOMO 3200-121</b>
FINISH:	APP	ADL 4/23/01	<b>SMB-2 (FLANGED)</b>
	APP		PART NUMBER: <b>99-48146-11</b> REV: <b>E</b> SHEET 1 OF 1