

SPECIFICATIONS

AO Medium		TeO ₂
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 ²
Contrast Ratio		1000:1 Min
Polarization		90 ° To Mounting Plane

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	515	633
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

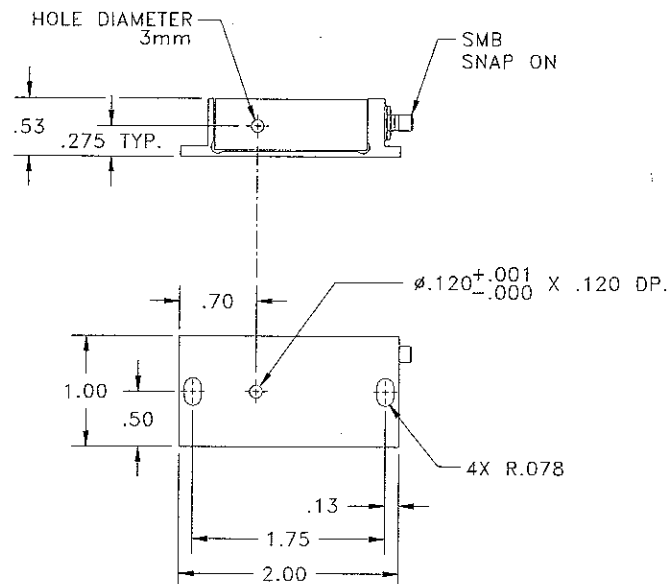
Beam Diameter (μm)	60	80	100	120
<i>at Wavelength (nm)</i>	633	633	633	633
Diffraction Efficiency (%)	70	75	80	80
Rise Time (nsec)	14	17	20	23
Modulation Bandwidth	52	40	31	26.5
	15	8	4	2

**For Reference
Only**

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:

Package AOMO 3200-121



Ordering Information:



800 Village Walk #316
Guilford, CT 06437
Ph: 203-401-8093

Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282

Notes:

THIS DOCUMENT IS THE PROPERTY OF CRYSTAL TECHNOLOGY, INC. IT IS NOT TO BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OTHER THAN BY EMPLOYEES CRYSTAL TECHNOLOGY AND ITS CONTRACTED REPRESENTATIVES AND DISTRIBUTORS. ANY EXCEPTION REQUIRES THE WRITTEN CONSENT OF AN AUTHORIZED REPRESENTATIVE OF CRYSTAL TECHNOLOGY.

TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Camp 3/9/2001	Crystal Technology, Inc.
MATERIAL:	CHK		
FINISH:	APP	ADIC 4/23/01	
	APP		PART NUMBER: 99-48146-11
			REV: E
			SHEET 1 OF 1