

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 @	-10 dB Return Loss
Input Impedance		50 Ohms Nominal
VSWR @ Fc		1.3 :1 Max
Wavelength		780-850 nm
Insertion Loss		3 % 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)	830
Saturation RF Power (W)	2.0
Bragg Angle (mr)	19.8
Beam Separation (mr)	39.6

PERFORMANCE VS BEAM DIAMETER

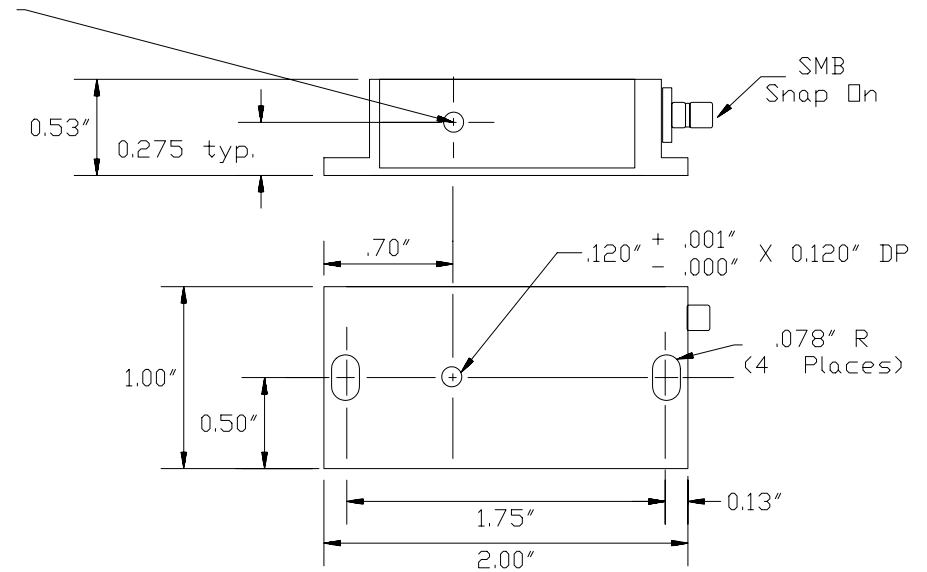
Beam Diameter (μm)	150
<i>at Wavelength (nm)</i>	830
Diffraction Efficiency (%)	70*
Rise Time (nsec)	29
Modulation Bandwidth	21.0
Beam Ellipticity	10

**For Reference
Only**

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:

Package Style 2



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:

*Diffraction Efficiency at 1 Watt RF Power.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/27/2002	Crystal Technology, Inc. DESCRIPTION: AOMO 3200-124
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 97-01544-01 REV: F SHEET 1 OF 1