

SPECIFICATIONS

AO Medium	TeO2	
Acoustic Velocity	4.2 mm/μs	
Active Aperture*	2.5 mm 'L' X	0.45 mm 'H'
Center Frequency (Fc)	224 MHz	
RF Bandwidth	50 MHz @	-10 dB Return Loss
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.2 :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 ²	
Contrast Ratio	1000 :1 Min	
Polarization	90 ° To Mounting Plane	

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	488
Saturation RF Power (W)	0.65
Bragg Angle (mr)	13
Beam Separation (mr)	26

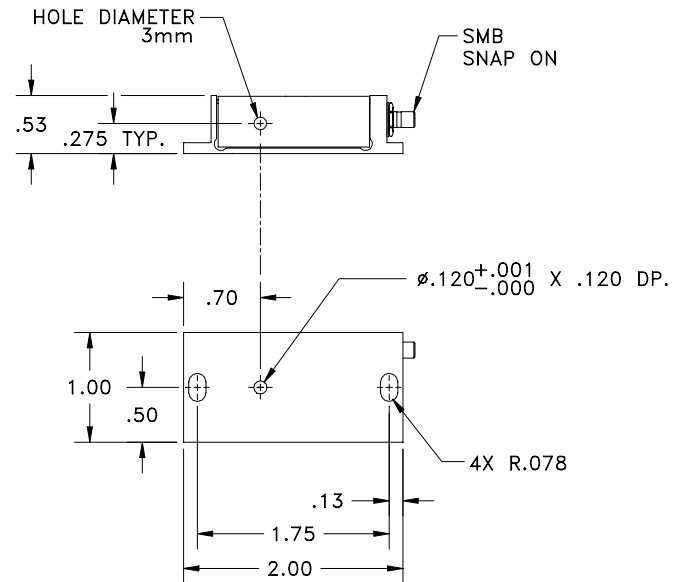
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	70
<i>at Wavelength (nm)</i>	488
Diffraction Efficiency (%)	70
Rise Time (nsec)	12
Modulation Bandwidth	45
Beam Ellipticity	15

**For Reference
Only**

Outline Drawing:

Package AOMO 3224-120



Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/27/2002	Crystal Technology, Inc. DESCRIPTION: AOMO 3224-120		
MATERIAL:	CHK				
FINISH:	APP		PART NUMBER:	REV:	SHEET 1 OF 1
	APP		97-20010-01	D	

*Active Aperture: Aperture over which performance specifications apply.