

## SPECIFICATIONS

AO Medium	TeO <sub>2</sub>	
Acoustic Velocity	4.2 mm/μs	
Active Aperture*	2 mm 'L' X	0.6 mm 'H'
Center Frequency (Fc)	225 MHz	
RF Bandwidth	50 MHz @ -10 dB Return Loss	
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.5:1 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>458</b>	<b>488</b>
Saturation RF Power (W)	0.77	0.87
Bragg Angle (mr)	12.3	13.1
Beam Separation (mr)	24.6	26.2

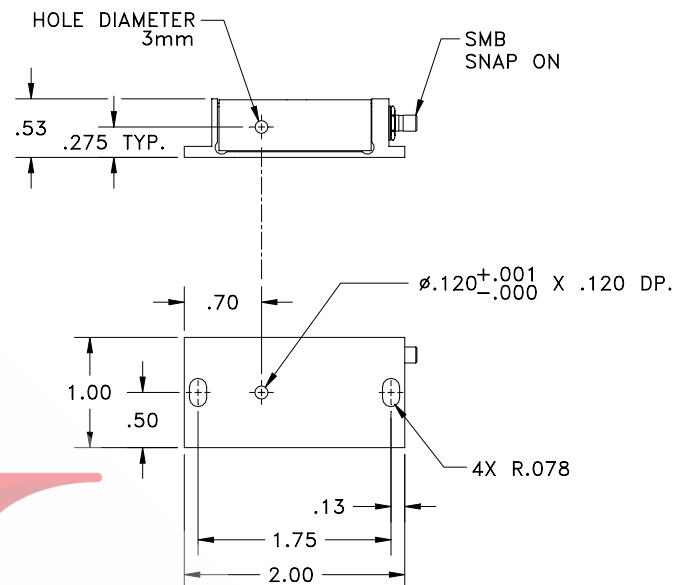
## PERFORMANCE VS BEAM DIAMETER

<b>Beam Diameter (μm)</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>
at Wavelength (nm)	488	488	488	488
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**

## Outline Drawing:

## Package AOMO 3225-120



Notes:  
Max RF Power = 1.5 W.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/27/2002	Crystal Technology, Inc.		
MATERIAL:	CHK		DESCRIPTION: <b>AOMO 3225-120</b>		
FINISH:	APP				
	APP		PART NUMBER: 97-20122-01	REV: D	SHEET 1 OF 1

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