

SPECIFICATIONS

AO Medium	TeO2	
Acoustic Velocity	4.2 mm/μs	
Active Aperture*	2.5 mm 'L' X	0.6 mm 'H'
Center Frequency (Fc)	110 MHz	
RF Bandwidth	24 MHz @	-10 dB Return Loss
Input Impedance	50 Ohms Nominal	
VSWR @ Fc	1.3 :1 Max	
Wavelength	442-488 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)	488
Saturation RF Power (W)	0.4
Bragg Angle (mr)	6.4
Beam Separation (mr)	12.8

PERFORMANCE VS BEAM DIAMETER

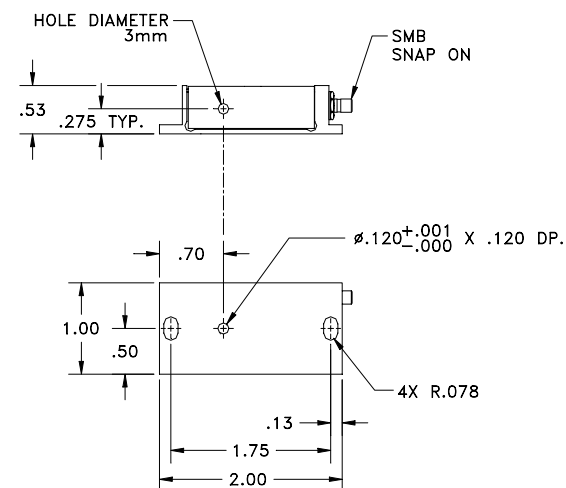
Beam Diameter (μm)	100	150	200
<i>at Wavelength (nm)</i>	488	488	488
Diffraction Efficiency (%)	70	75	80
Rise Time (nsec)	18	25	33
Modulation Bandwidth	28	24	15.8
	20	9	5

**For Reference
Only**

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:

Package AOMO 3110-121



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Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/17/2002	Crystal Technology, Inc.		
MATERIAL:	CHK		DESCRIPTION: AOMO 3110-121		
FINISH:	APP		110 MHz SMB-2 High Damage A.R.		
	APP		PART NUMBER: 97-01638-01	REV: E	SHEET 1 OF 1