

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

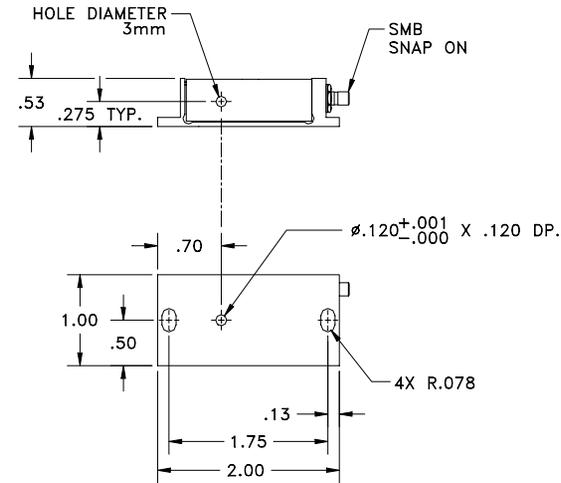
PERFORMANCE VS BEAM DIAMETER

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**

Outline Drawing:

Package AOMO 3110-121



Notes:

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

*Active Aperture: Aperture over which performance specifications apply.