

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 @	-9 dB Return Loss	
Input Impedance			50 Ohms Nominal
VSWR @ Fc			1.3:1 Max
Wavelength			515-633 nm
Insertion Loss			4 % 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)	515	633
Saturation RF Power (W)	0.7	1.0
Bragg Angle (mr)	12.3	15.1
Beam Separation (mr)	24.6	30.2

PERFORMANCE VS BEAM DIAMETER

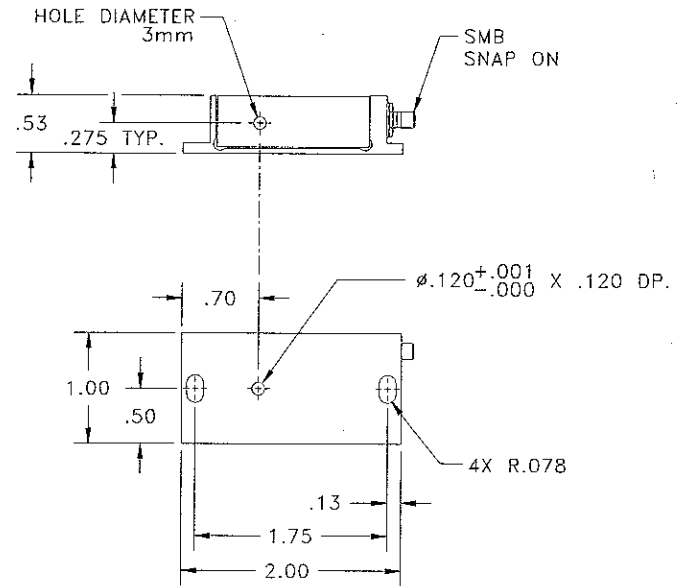
Beam Diameter (μm)	60	80	100	120
<i>at Wavelength (nm)</i>	633	633	633	633
Diffraction Efficiency (%)	70	75	80	80
Rise Time (nsec)	14	17	20	23
Modulation Bandwidth	52	40	31	26.5
	15	8	4	2

**For Reference
Only**

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing:

Package AOMO 3200-121



Notes:

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 3/9/2001	DESCRIPTION: AOMO 3200-121 SMB-2 (FLANGED)
MATERIAL:	CHK		
FINISH:	APP	ADK 4/23/01	
	APP		PART NUMBER: 99-48146-11
			REV: E
			SHEET 1 OF 1