

SPECIFICATIONS

AO Medium		TeO2
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 @	-10 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

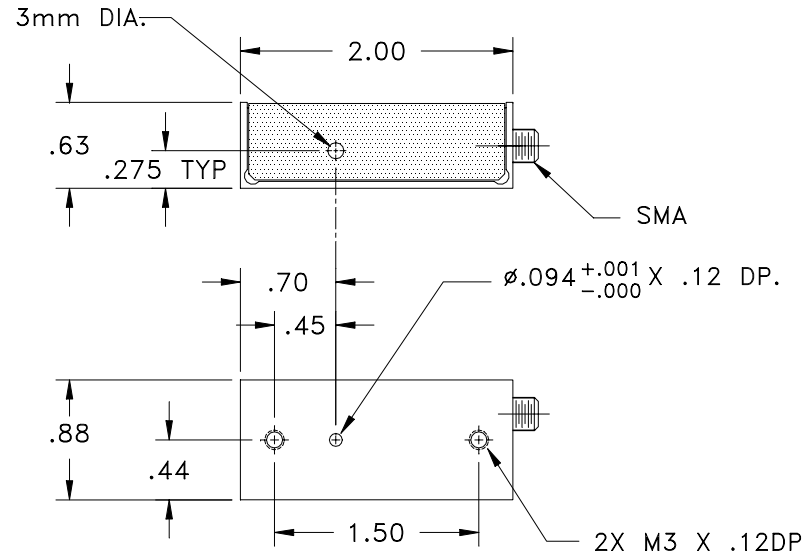
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	80	100	120
<i>at Wavelength (nm)</i>	633	633	633
Diffraction Efficiency (%)	75	80	80
Rise Time (nsec)	17	20	23
Modulation Bandwidth	50	45	40
Beam Ellipticity	8	4	2

**For Reference
Only**

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing: Package AOMO 3200-144



Notes:
Diffraction Efficiency □ 70% when tested with horizontal polarization, and RF power 600 mW.

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/27/2002	Crystal Technology, Inc. DESCRIPTION: AOMO 3200-144 670 nm Extended Reliability
MATERIAL:	CHK		
FINISH:	APP		
	APP		PART NUMBER: 97-01407-02
			REV: A
			SHEET 1 OF 1