

**SPECIFICATIONS**

AO Medium			TeO2
Acoustic Velocity			4.2 mm/μs
Active Aperture*	2.5 mm 'L' X	0.45 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			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		

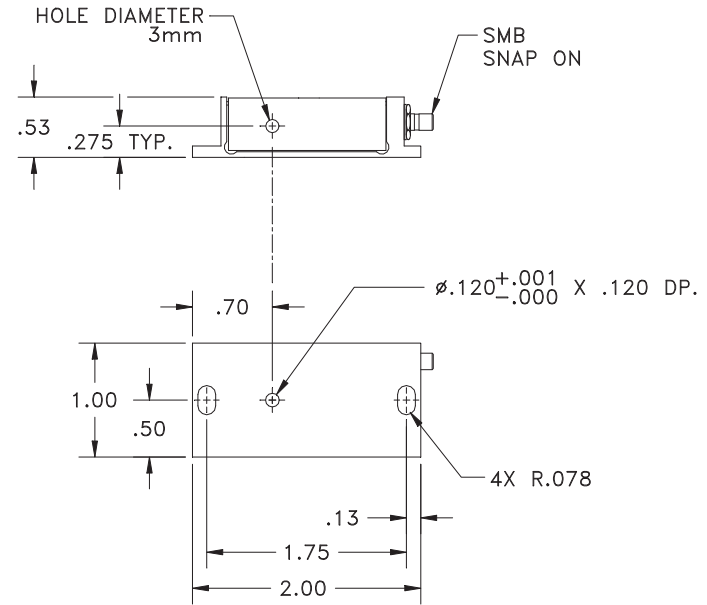
**PERFORMANCE VS WAVELENGTH**

<b>Wavelength (nm)</b>	<b>442</b>	<b>488</b>
Saturation RF Power (W)	0.53	0.65
Bragg Angle (mr)	10.5	11.6
Beam Separation (mr)	21	23.2

**PERFORMANCE VS BEAM DIAMETER**

<b>Beam Diameter (μm)</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>
<i>at Wavelength (nm)</i>	488	488	488	488
Diffraction Efficiency (%)	70	75	80	80
Rise Time (nsec)	13	16	19	23
Modulation Bandwidth	52	40	31	26.5
Beam Ellipticity	15	8	4	2

**Outline Drawing:**




Notes:

**For Reference Only!**

Please contact our Sales team to verify specification values

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TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. CAMPI 10/7/2013	 <b>AOMO 3200-120</b> 200 MHz, SMB-2 (FLANGED)	
MATERIAL:	CHK			
FINISH:	APP		PART NUMBER:	99-48146-10
	APP		REV:	G
			SHEET 1 OF 1	

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